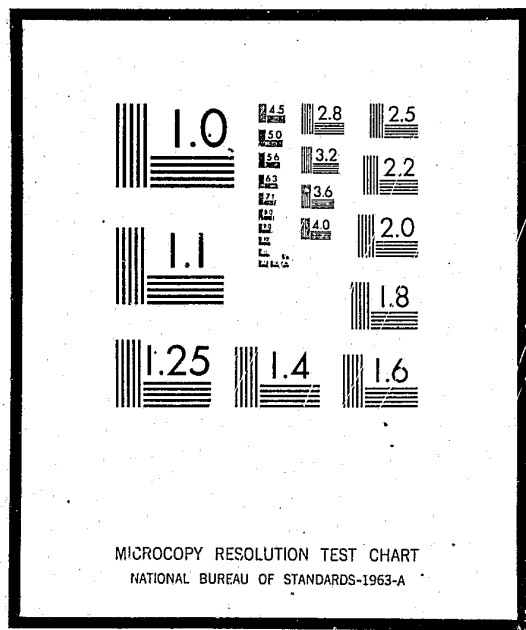


NCJRS

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U.S. DEPARTMENT OF JUSTICE
LAW ENFORCEMENT ASSISTANCE ADMINISTRATION
NATIONAL CRIMINAL JUSTICE REFERENCE SERVICE
WASHINGTON, D.C. 20531

Date filmed

2/18/76

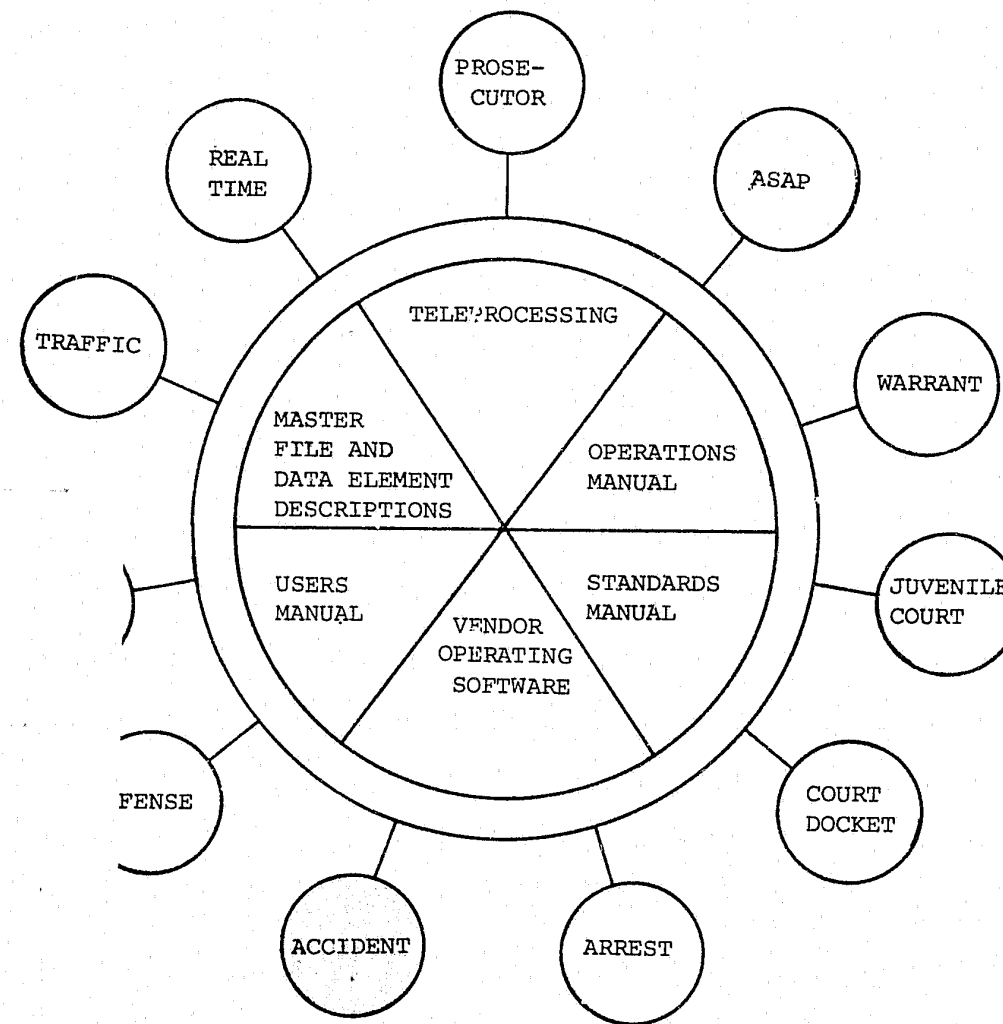
PREFACE

This documentation is one volume of a complete set of documentation for ALERT II under DOS. The documentation is modularized in order to minimize duplication of information and facilitate revisions. This modularization requires a brief understanding of each of the volumes for effective use.

The overall system concept of ALERT encompasses the use of three main files, a Name Index File, a General Purpose Index File and Master Data File. These files are utilized by the sub-systems as required and are therefore program independent.

ALERT II Documentation Relationships

The volume you are reading is represented by the shaded figure. The volumes contained in the large center circle serve all outlying sub-systems. The outlying sub-systems are independent of each other but are highly dependent on the center circle volumes.



012899

Systems and Programming Volumes

The systems and programming documentation is divided into 12 separate volumes. Normally these volumes represent an application, such as "Traffic." Two volumes represent special functions or groupings of support programs. An example of generalized support functions is Teleprocessing, in that it contains most of the TPD's used by the applications.

The sub-system volumes are made up of:

<u>Sub-System Name</u>	<u>Brief Description</u>	<u>Program I.D.</u>
Teleprocessing	TPD's and routines for other sub-systems	RA
Real Time	Background support programs and report preparation	RB, CB
Warrant	A Law Enforcement system that contains warrants, wants and warning information	JX
Traffic	A traffic ticket system that records the names of traffic violators as well as data about traffic incidences	CD
Dispatch	An information system for analysis of manpower workload and calls for service	CE
Arrest	A system that records individual arrests and provides statistical and historical information	CV
Accident	A vehicular accident system containing statistical and historical data about accidents	CJ, JJ
Offense	A system that records statistical and historical data about criminal incidences	CF
Court Docket	A Municipal Court docket system that prints the court dockets, officer notifications, and automatically generates warrants for failure to appear	JD

<u>Sub-System Name</u>	<u>Brief Description</u>	<u>Program I.D.</u>
Prosecutor	A Correction and Probation system allowing immediate access to case status	J3
Juvenile Court	An information system recording transactional data on juvenile offenders. This system involves highly restricted access of on-line data.	JM
ASAP	An information system serving the Alcohol Safety Action Program	JO

The systems and programming documentation is divided into two sections: (1) Systems documentation; (2) Program documentation for programs contained in the system. The table of contents directs the use of each volume. For ease of updating, the numbering scheme is modularized. Systems documentation will be referenced by SYS-XX with XX being page numbers within the systems documentation. Program documentation will be referenced by program number-XX, again the XX being pages within programs.

The program number is a critical reference tool. The first two digits represent which sub-system the program is included in (see above table). When a program creates a magnetic tape that tape is named "Program Number"-TX, with the X being "1" for the first tape it creates, "2" for a succeeding tape, etc. Reports are also numbered in the same manner using an "L" instead of a "T", "Program Number"-LX.

Two styles of record layouts are used in the documentation. One is a continuous single record layout (a Cobol FD is included) and the second is a multi-record, 132 character, layout.

The single record layout is for master files and the multi-record layout is for temporary work files. Typically, the work records are tape records that are used to write reports. The Master File layouts have detail data elements descriptions contained in the Master File and Data Element Description volume.

Operations Manual

The Operations Manual contains the Set-Up and Operating instruction for each program. Details of special control cards or date cards are described in the Special Instruction Section of the Set-Up document.



SECTION

DATE ISSUED

DATE REVISED

Users Manual

The Users Manual contains all information necessary for a user to use specific systems. It is important to know that CRT layouts and data element definitions and codes are contained in this Manual.

Standards Manual

The Standards Manual directs the creation, operation and modification of all systems, programs and documentation.

Master File and Data Element Descriptions

All records in the Master Files are represented by Record Layouts with Cobol FD statements. Data Element Descriptions for all Master File Data Elements are contained in this volume.

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CJ000

Create Year-to-Date Traffic Accident Tape

CJ001

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CJ005

Monthly Accidents Statistics

CJ006

Accident by Hour and Day

CJ007

Accidents by Beat of Occurrence

CJ008

Monthly Accidents by Time and Day

CJ010



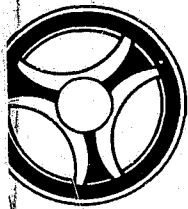
SECTION

DATE ISSUED

DATE REVISED

TRAFFIC ACCIDENT REPORTING SYSTEM

INDEX NUMBER
SYS-01



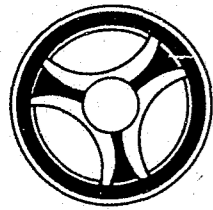
SECTION

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SYSTEM OVERVIEW

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SYS-02



SYSTEM DOCUMENTATION

SECTION
TRAFFIC ACCIDENT SYSTEM

DATE ISSUED
January 16, 1973

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SYSTEM DOCUMENTATION

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TRAFFIC ACCIDENT REPORTING SYSTEM

The computerized traffic accident reporting system was developed to provide statistical information concerning all traffic accidents occurring within the city limits of Kansas City, Missouri. This system is also available for any agency within the ALERT System that wishes to participate. Statistical information is provided to the users of this system in the form of standard periodic computed generated reports and also upon reasonable requests for specific arrest information to be generated by the computer. The regularly scheduled traffic accident reports are prepared on a monthly or annual basis. Any other reports are produced on an as requested basis.

The input data for the Kansas City, Missouri Police Department Traffic Accident System is collected from the standard uniform accident report form that is filled out by police officers at the scene of every vehicular accident that they handle. After completion, the reports are checked by the reporting officer's immediate supervisor and if approved are forwarded to the Report Review Unit in the Record Bureau for further checking. If the forms are approved they are then sent to the Data Processing Unit for on-line entry through remote CRT terminals. The data being entered is subject to on-line primary edits and any errors encountered are returned to the screen in the form of asterisks. The operator must then re-enter the information correctly. The address at which a vehicular accident has occurred is required and during the on-line entry of traffic accident information the data is passed through a census tract and block lookup. This is performed by loading address information into a key and reading an on-line file containing the census tract and block corresponding to the address. This information is added to the traffic accident data already entered and then all of the information is formatted into the necessary records which are subsequently written onto the Master File, General Index File, and Name Index File. Those accidents that occur at a location that has no street address, and has not occurred at an intersection, are entered into the computer by locating the closest intersection address to the actual location of the accident and entering that address for the purpose of the census tract and block lookup. At the end of each month a program is run that reads the Master File and creates a Monthly Traffic Accident tape which is used as input to the various accident report programs. The monthly tape provides a comprehensive list of statistics on the drivers, vehicles, contributing circumstances, arrest information, address information, etc. This tape is used as input to the various report programs that are provided for the users of this system.

After the monthly traffic accident report programs have been run, the monthly tape is merged with the prior month's year-to-date tape to create an updated year-to-date traffic accident tape. This tape has the same record format as the monthly tape and is used as input for programs requiring more than a single month's information. This tape is kept indefinitely as a permanent traffic accident history file.

INDEX NUMBER
SYS-03

INDEX NUMBER
SYS-04



SECTION

DATE ISSUED

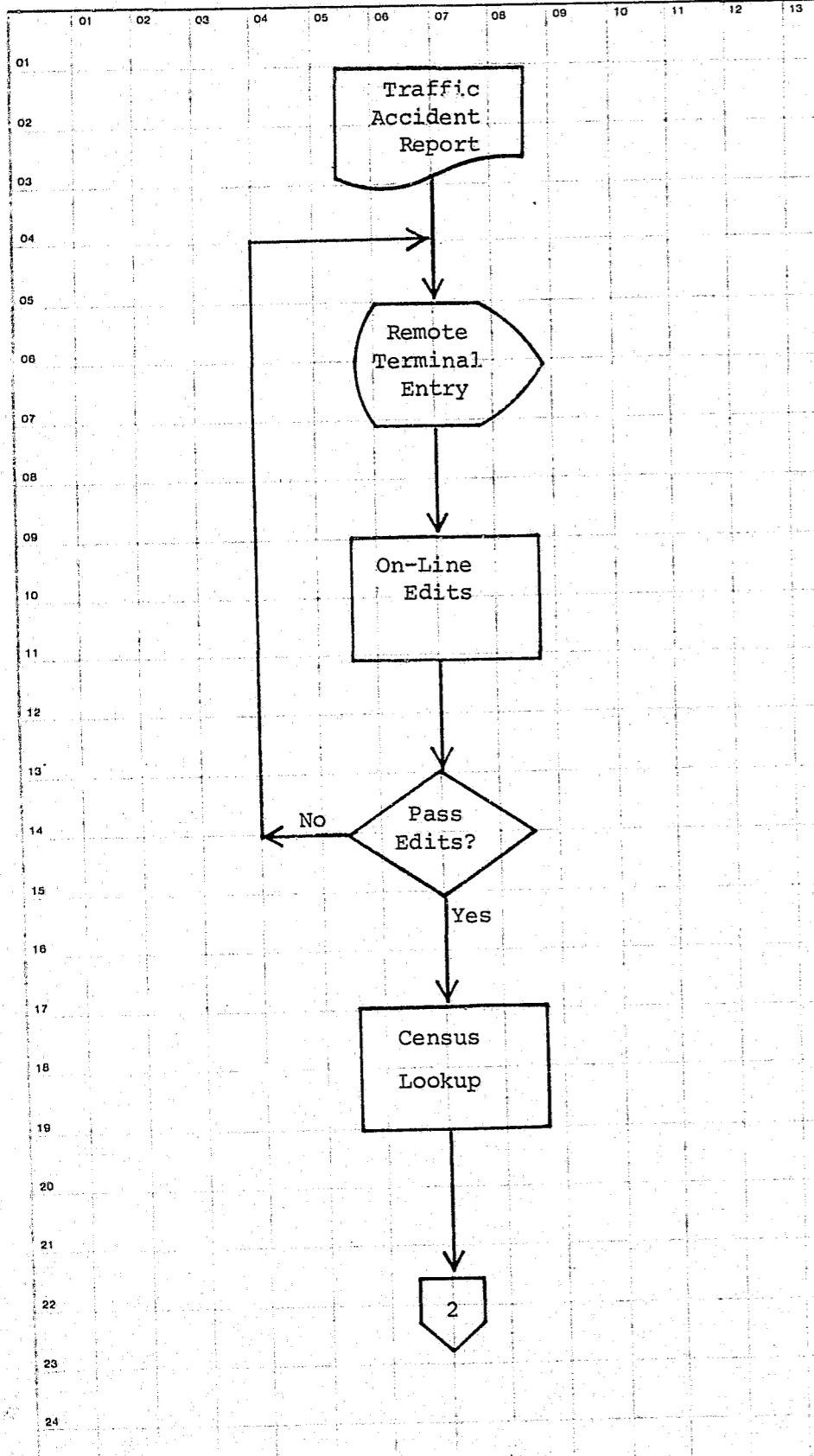
DATE REVISED

SYSTEM FLOWCHART

INDEX NUMBER
SYS-05

FLOWCHART

DESCRIPTION



10 Traffic Accident Report Filled Out By Police Officer, Sent To Data Control and Data Processing for On-Line Entry.

20 Entries Passed Through Primary Edits and All Errors Are Redisplayed On Screen For Immediate Correction.

30 Census Tract and Block Retrieved From On-Line File.

10

20

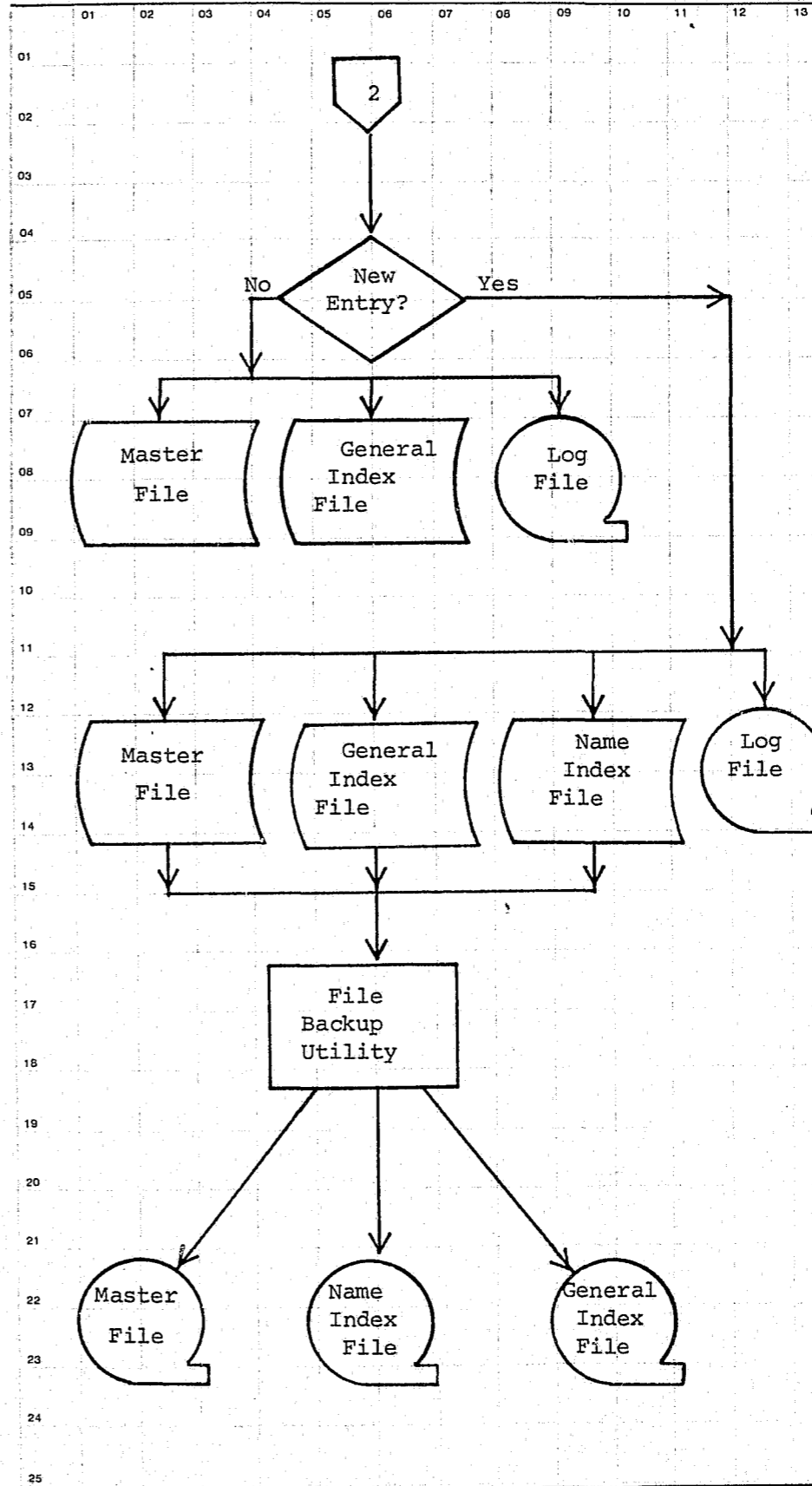
30

System No.	System Title: Traffic Accident Reporting System		
Date Prepared:	Prepared By:	Revision Date:	Revised By:
Date Approved:	Approved By:		

INDEX NUMBER
SYS-06

FLOWCHART

DESCRIPTION



40 The Names of All Drivers, Injured Passengers or Pedestrians, and Witnesses Are Entered Into The Computer Files In Conjunction With A Vehicular Accident Report. At This Point, The Computer Makes A Determination As To Whether These Names Have Been Previously Entered As A Result of Some Other Police Action (Arrested, Victim of Offense, Traffic Ticket, etc.) Or Rather That This Is An Entirely New Name Entry.

50 If The Data Being Processed Concerns A Previously Entered Name, New Information Is Added To The Master File and the General Index File. The Transaction Is Also Entered On The Log File.

60 If the Entry Being Processed Is Entirely New, Information Is Added To The Master File, General Index File and The Name Index File. The Transaction Is Entered On the Log File.

70 For Security Purposes As Well As Input To Other Programs, The Master File, General Index File, and Name Index File are "Backed Up" On Tape

System No.	System Title: Traffic Accident Reporting System		
Date Prepared:	Prepared By:	Revision Date:	Revised By:
Date Approved:	Approved By:		

INDEX NUMBER
SYS-07



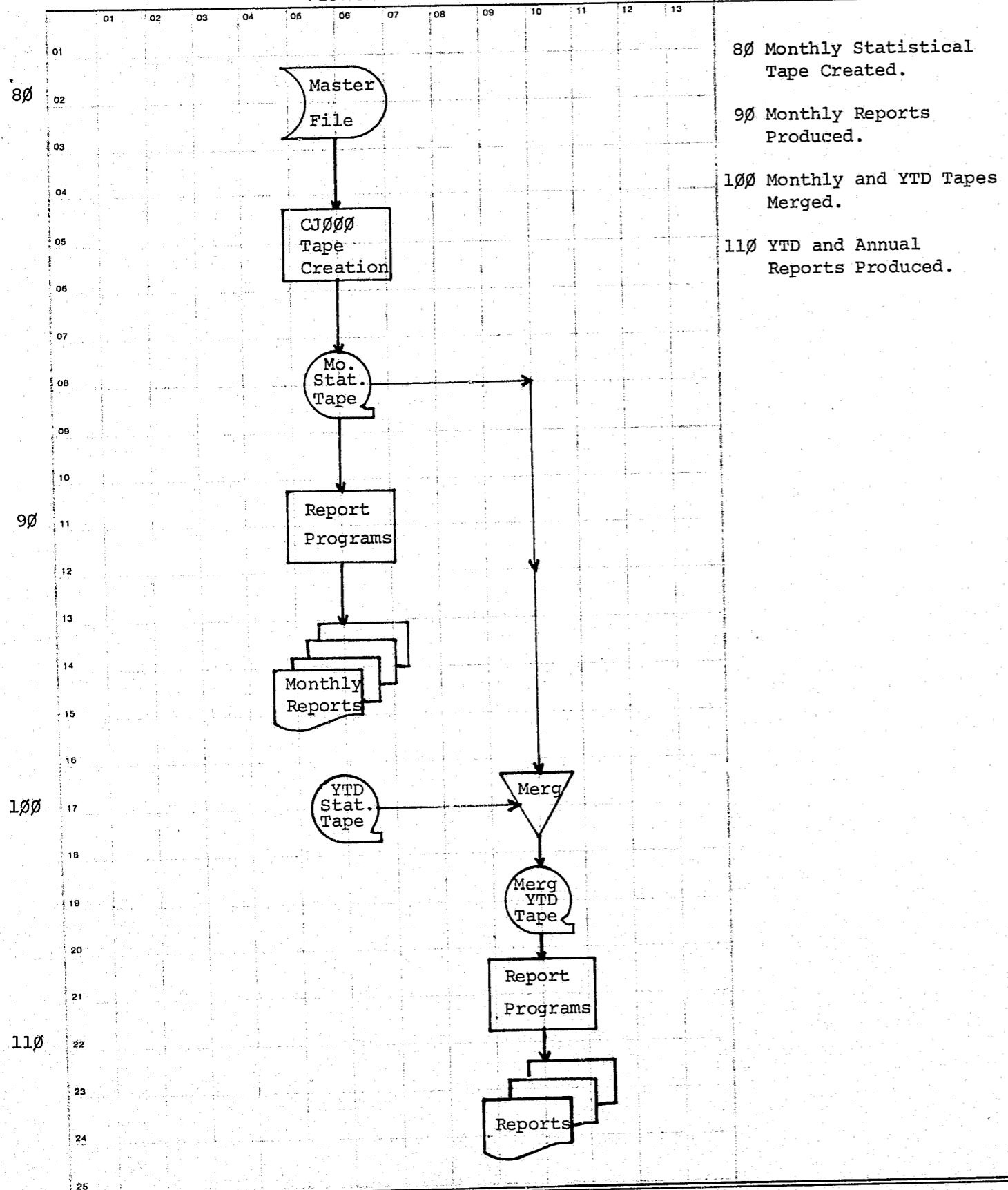
SECTION

DATE ISSUED

DATE REVISED

FLOWCHART

DESCRIPTION



80 Monthly Statistical Tape Created.
 90 Monthly Reports Produced.
 100 Monthly and YTD Tapes Merged.
 110 YTD and Annual Reports Produced.

SYSTEM SOURCE DOCUMENTS

System No.	System Title: Traffic Accident Reporting System		
Date Prepared:	Prepared By:	Revision Date:	Revised By:
Date Approved:	Approved By:		INDEX NUMBER SYS-08

INDEX NUMBER
SYS-09



SECTION

DATE ISSUED

DATE REVISED

MISSOURI UNIFORM ACCIDENT REPORT
KANSAS CITY, MISSOURI POLICE DEPARTMENT

FOR STATE FILES USE
ROUTED _____ NO. _____
TYPE _____ HWY. NO. _____ LOG. _____
CARD _____ CODE _____ CITY _____ POP. _____
FAT. NO. _____ INJ. NO. _____ COUNTY _____
ACC. TYPE _____

COMPLAINT NUMBER _____ BEAT OF OCC. _____ BEAT REPORT _____ CENSUS TRACT _____ CENSUS BLOCK _____
DATE OF CALL _____ TIME RECEIVED _____ TIME ARRIVED _____ TIME COMPLETED _____
OFFICER'S NAME (S) _____ SERIAL NUMBER (S) _____

ACCIDENT CLASSIFICATION
1 PROPERTY DAMAGE 2 NO. KILLED 3 NO. INJURED 4 NO. OF VEHICLES INVOLVED

DATE OF ACCIDENT MO./DAY/YEAR _____ DAY OF WEEK _____ HOUR _____
1 STANDARD TIME 2 DAYLIGHT SAVING TIME

1 U.S. ROUTES 2 INTER-STATE 3 STATE ROUTE 4 COUNTY ROAD 5 MUNICIPAL 6 PRIVATE PROP.

LOCATED _____ COUNTY _____ GIVE NAME (F. CITY, VILLAGE OR TOWNSHIP) _____ LOG POINT _____
GIVE NAME OF ROAD, STREET OR ROUTE NO. _____ SPEED LIMIT _____ INTERSECTING STREET OR HIGHWAY NUMBER _____ SPEED LIMIT _____
IF NOT AT INTERSECTION _____ N S E W _____ FEET OR FEET _____ OF _____

ACCIDENT INVOLVED
3 PEDESTRIAN 4 OTHER MOTOR VEHICLE 6 R. R. TRAIN 5 PARKED MTR. VEH. 10 ANIMAL DRAWN VEH. 7 BICYCLE
8 ANIMAL (RIDDEN-UNATTENDED) 2 OVER TURNED IN ROADWAY 1 OTHER OBJECT 11 OTHER NON-COLLISION 9 FIXED OBJECT

VEHICLE NO. 1
DRIVER: NAME _____ PHONE NO. _____ AGE _____ DATE OF BIRTH MO. / DAY / YR. _____ RACE _____ SEX M F
ADDRESS _____ CITY _____ STATE _____
OWNER: NAME _____ PHONE NO. _____ AGE _____ DATE OF BIRTH MO. / DAY / YR. _____ RACE _____ SEX M F
ADDRESS _____ CITY _____ STATE _____
VEHICLE: YEAR _____ MAKE _____ MODEL _____ STYLE (SEDAN, BUS, TRUCK, ETC.) _____
VEHICLE INSPECTION NO. _____ LICENSE PLATE NO. _____ STATE _____ YEAR _____ GOING ON: (STREET NAME, HIGHWAY NO., ALLEY, ETC.) _____
VEHICLE DAMAGE (CODE) _____ SEAT BELTS: 1 USED 2 NOT USED 3 NONE CAR TOWED: 1 YES 2 NO SSN _____ EMP. _____ PHONE _____
BY WHOM: _____ WHERE TO: _____

VEHICLE NO. 2
DRIVER: NAME _____ PHONE NO. _____ AGE _____ DATE OF BIRTH MO. / DAY / YR. _____ RACE _____ SEX M F
ADDRESS _____ CITY _____ STATE _____
OWNER: NAME _____ PHONE NO. _____ AGE _____ DATE OF BIRTH MO. / DAY / YR. _____ RACE _____ SEX M F
ADDRESS _____ CITY _____ STATE _____
VEHICLE: YEAR _____ MAKE _____ MODEL _____ STYLE (SEDAN, BUS, TRUCK, ETC.) _____
VEHICLE INSPECTION NO. _____ LICENSE PLATE NO. _____ STATE _____ YEAR _____ GOING ON: (STREET NAME, HIGHWAY NO., ALLEY, ETC.) _____
VEHICLE DAMAGE (CODE) _____ SEAT BELTS: 1 USED 2 NOT USED 3 NONE CAR TOWED: 1 YES 2 NO SSN _____ EMP. _____ PHONE _____
BY WHOM: _____ WHERE TO: _____

DAMAGE TO PROPERTY OTHER THAN VEHICLES _____
NAME OBJECT, SHOW OWNERSHIP AND STATE NATURE OF DAMAGE _____

WITNESSES OR PASSENGERS	NAME	ADDRESS	WITNESS	RACE	SEX	DATE OF BIRTH	CAR NO.	SEAT LOC.	INJ.	EJECTION	SEAT BELT	PHONE NO.

CODES:
SEAT LOCATION: 7. NOT KNOWN, 8. OCCUPANT - SPECIAL VEH., BUS, TRUCK, MOTORCYCLE, STATION WAGON, 9. PEDESTRIAN, 10. BICYCLIST
INJURY: 1. FATAL, 2. DISABLING, 3. EVIDENT (NON-DISABLING), 4. PROBABLE (NOT APPARENT), 5. NONE APPARENT, 6. UNKNOWN
SEAT BELT: 1. NONE, 2. NOT USED, 3. USED, 4. HARNESS, 5. USE UNKNOWN, 6. BELT-FAILURE
EJECTION: 1. NO, 2. PARTIALLY, 3. TOTALLY, 4. UNKNOWN
18 UNDERCARRIAGE 19 WINDSHIELD

SYSTEM RECORD LAYOUTS

INDEX NUMBER
SYS-10

INDEX NUMBER
SYS-11

EDP RECORD LAYOUT MZ2 - ADDRESS OF OCCURRENCE (INTERSECTION)

0	5	10	15	20	25	30	35	40		
D F L A G	MASTK		ORI		EWSTR		E W S F X	NSSTR		N S T D I R
	1	P15	7		10			1	10	

41	45	50	55	60	65	70	75	80
CITY		S T A T E	S E Q	AREA		B E A T	T R B K	
10				P5	P8			

```

01 MZ2.
02 MZ2DFLAG PIC X.
02 MZ2MASTK PIC 9(15) COMP-3.
02 MZ2ORI PIC X(7).
02 MZ2ADDRS.
03 MZ2EWSTR PIC X(10).
03 MZ2EWSFX PIC X.
03 MZ2NSSTR PIC X(10).
03 MZ2NSSFX PIC X.
03 MZ2STDIR PIC X.
03 MZ2CITY PIC X(10).
03 MZ2STATE PIC XX.
02 MZ2SEQ PIC 9(5) COMP-3.
02 MZ2AREA.
03 MZ2BEAT PIC 9(8) COMP-3.
03 MZ2TRBK PIC 9(8) COMP-3.
    
```

EDP RECORD LAYOUT M01 - ASAP BREATHALIZER RECORD

0	5	10	15	20	25	30	35	40		
D F L A G	MASTK		ORI		CRN		ARN		N T F	D T R P T
	1	P15	7		8		8			

41	45	50	55	60	65	70	75	80
I E A B	D T S T	R E S	V I D T P	F I L L E R	O S N U 1	O S N U 2		
							P4	P9

```

01 M01.
02 M01DFLAG PIC X.
02 M01MASTK PIC 9(15) COMP-3.
02 M01ORI PIC X(7).
02 M01CRN PIC X(8).
02 M01ARN PIC X(8).
02 M01TTN PIC 9(7) COMP-3.
02 M01DTRPT PIC 9(9) COMP-3.
02 M01IEAB PIC 9(4) COMP-3.
02 M01DTTST PIC 9(9) COMP-3.
02 M01RES PIC XX.
02 M01VIDTP PIC XX.
02 FILLFR PIC XXX.
02 M01OSNU1 PIC 9(6) COMP-3.
02 M01OSNU2 PIC 9(6) COMP-3.
    
```



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DATE ISSUED	DATE REVISED

SYSTEM PROGRAMS

INDEX NUMBER
SYS-20



SECTION

TRAFFIC ACCIDENT PROGRAMS

PROGRAMMING DOCUMENTATION

DATE ISSUED

January 16, 1973

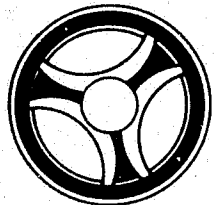
DATE REVISED

PROGRAM TITLE: CREATE MONTHLY TRAFFIC ACCIDENT TAPE

DATE OPERATIONAL: January 16, 1973

PURPOSE: To create the monthly traffic accident tape to be used as input to the various monthly traffic accident report programs.

INDEX NUMBER
CJ000-01



PROGRAMMING DOCUMENTATION

SECTION

TRAFFIC ACCIDENT PROGRAMS

DATE ISSUED

January 16, 1973

DATE REVISED



PROGRAMMING DOCUMENTATION

SECTION

TRAFFIC ACCIDENT PROGRAMS

DATE ISSUED

January 16, 1973

DATE REVISED

I. PROGRAM NARRATIVE

Input to this program is the ALERT Master File and output is a tape containing monthly traffic accident statistics (CJ000T1). The Master File records used as input are as follows:

- Name Record
- Address Record
- Traffic Accident Information Record No. 1
- Traffic Accident Information Record No. 2
- Exact Location Record
- Intersection Location Record
- Alcohol Influence Report Record No. 1

Various information is extracted from the above listed records and formatted into 105-character records which are loaded into a Sort. After the entire Master File has been read the records are sorted by record type within ALERT number within Case Report number within Originating Agency code. The records are returned from the Sort and written onto the output tape.

II. DETAILED DESCRIPTION

The Sort file is initiated.

SEQ-STOP-RUN is the end-of-job paragraph which is branched to after the entire program has been executed. It causes the output tape to be closed and a normal end-of-job message to be displayed upon the console.

BUILD-RECORDS opens the input Master File, the output tape, blanks out a work area, and accepts and edits a control card.

READ-IN reads the Master File and directs control to various other paragraphs within the program based upon the type of record encountered. It also compares the date in either of the two traffic accident information records against the date contained in the control card to see if it is to be accepted for the current month's run.

TEN-RELEASE-COMPLETE ascertains which of the two accident statistic type records has just been encountered, and transfers control to the appropriate paragraph.

TWO-OR-THREE-TYPE is the paragraph that is branched to if either of the two accident location record types is encountered. This paragraph moves

the necessary information from the record to the Sort area. It also converts a single-digit street suffix code to a meaningful literal such as street, avenue, circle, etc. This paragraph handles either the exact location record or the intersection location record and after all the information has been moved it is released to the Sort and control is returned to READ-IN.

TEN-TYPE is the paragraph that is branched to if a name record is encountered in the READ paragraph. This paragraph handles either person name records or business name records and moves the necessary information to the Sort area.

SKIP-DATE is a follow-up to the previous paragraph and it sets various switches to indicate that the correct name information has already been acquired. Control is then returned to READ-IN.

TWENTY-TYPE. This is the paragraph that is branched to when the address of the driver or owner record is encountered. This paragraph's function is to move the necessary information from the address record to the Sort area and also to convert street direction and street suffix codes to meaningful literals. A switch is set indicating this record has been encountered, and control is then returned to the READ paragraph.

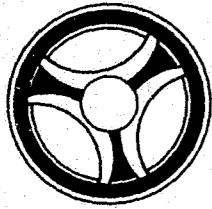
STORE-ASAP. This paragraph is branched to if an Alcohol Safety Action Program breathalyzer result record is encountered. It takes the necessary breathalyzer information and moves it to a save area for release to the Sort at a later time. Control is then returned to the READ paragraph.

ZERO-TYPE, SKIP-DATE-OCC, SKIP-DATE-REPORTED, SKIP-REPORT-DATE. The first of these paragraphs is the one that is branched to if the Master File Traffic Accident Information Record No. 1 is encountered in the READ paragraph. The five paragraphs combine to extract the necessary information pertaining to statistics of the accident itself such as date and time of occurrence, date of report, officer's serial number, road conditions, etc. and format the information which is released to the Sort in the last of the five paragraphs.

ONE-TYPE, CK-ASAP, SB-ASAP, MV-ASAP, FINI-ASAP. The first of these five paragraphs is the one that is branched to if Traffic Accident Information Record No. 2 is encountered back in the READ paragraph. These five paragraphs combine to extract the necessary information pertaining to the individual vehicles and drivers and move it to the Sort area. It also checks to see if any ASAP information was extracted, moves this information from the save area into the Sort area. The information is then released to the Sort and control is returned to the READ paragraph.

INDEX NUMBER
CJ000-01

INDEX NUMBER
CJ000-03



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TRAFFIC ACCIDENT PROGRAMS

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DATE ISSUED
January 16, 1973

DATE REVISED

The previously described paragraphs are executed repeatedly until the entire Master File has been read and the various records released to the Sort. The records are then sorted by type of record within ALERT number within Case Report number within Originating Agency.

OUTPUT-ROUTINE, RETURN-RECORDS. These paragraphs combine to simply return the sorted records into the output area and write the tape. This routine is repeated until the entire tape has been created and at that point control is returned to the paragraph entitled SEQ-STOP-RUN.

The output tape (CJ000T1) contains 105-character records in sets of either two or four records per ALERT number. The driver classified as the No. 1 driver in any vehicular accident regardless of the number of persons involved, will have a full complement of four records. The first record is known as the name record and contains such things as the driver's full name, physical descriptors, and full address. The second record is an information record containing statistics pertaining to the accident itself such as the date and time of occurrence, day of the week, type of accident, directional analysis, action of pedestrian, conditions of the road, etc. The third record is the information record containing statistics pertaining to the individual drivers and vehicles involved in the accident such as complete vehicle description, description of the damage, condition of the driver, any contributing circumstances, any arrest information and ASAP information. The fourth record is an address record containing the exact location of the accident whether it be an exact address or an intersection address type. This record also contains beat occurred, beat reporting, census tract and block, etc. All four of the records contain the same ALERT number, originating agency code, and case report number. The four records just described will be referred to in subsequent accident documentation as name record, statistical or information record No. 1, statistical or information record No. 2, and address record.

Any other persons involved in the accident such as other drivers, pedestrians, or passengers will have only two of the four above listed records - they being the name record and information record No. 2. There is no limit to the number of

names that can be associated with a single accident but in all cases only the No. 1 driver will have all four of the record types created on this tape. All other names will only have two. Each individual involved in an accident will have a unique ALERT number, but the case report number will be the same for all records pertaining to a single accident. Drivers of all cars involved in an accident, injured passengers, or injured pedestrians will have records created on this tape. Passengers or pedestrians that did not receive injury will not have a name or information record No. 2 created for them.

INDEX NUMBER
CJ000

INDEX NUMBER
CJ000-05



PROGRAMMING DOCUMENTATION

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TRAFFIC ACCIDENT PROGRAMS

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DATE REVISED

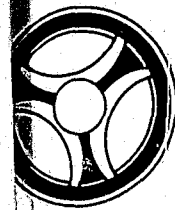
PROGRAM TITLE: CREATE YEAR-TO-DATE TRAFFIC ACCIDENT TAPE

DATE OPERATIONAL: January 16, 1973

PURPOSE: CJØØ1 is a program name for control cards that execute a COBOL utility program that merges the records from the current monthly traffic accident tape (CJØØØT1) to the old year-to-date traffic accident tape (CJØØ1T1) and creates a current year-to-date traffic accident tape entitled CJØØ1T1. The data is kept in sequence by ALERT number within originating agency code.

INDEX NUMBER

CJØØ1-Ø1



SECTION

TRAFFIC ACCIDENT PROGRAMS

PROGRAMMING DOCUMENTATION

DATE ISSUED

DATE REVISED

January 16, 1973

PROGRAM TITLE: CREATE BACK-UP TAPE

DATE OPERATIONAL: January 16, 1973

PURPOSE: CJ002 is a program name for control cards that simply execute a "ditto" utility (tape-to-tape copy) for the purpose of backing up the year-to-date traffic accident tape that is created by CJ001.

INDEX NUMBER

CJ002-01



PROGRAMMING DOCUMENTATION

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TRAFFIC ACCIDENT PROGRAMS

DATE ISSUED

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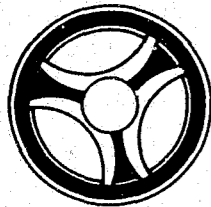
DATE REVISED

PROGRAM TITLE: NATIONAL TRAFFIC ACCIDENT SUMMARY

DATE OPERATIONAL: January 16, 1973

PURPOSE: To produce a monthly summary of traffic accident statistics
to be sent to the National Safety Council in Washington, D. C.

INDEX NUMBER
CJ005-01



PROGRAMMING DOCUMENTATION

SECTION
TRAFFIC ACCIDENT PROGRAMSDATE ISSUED
January 16, 1973

DATE REVISED



PROGRAMMING DOCUMENTATION

SECTION
TRAFFIC ACCIDENT PROGRAMSDATE ISSUED
January 16, 1973

DATE REVISED

I. PROGRAM NARRATIVE

Input to this program is the Monthly Traffic Accident Tape (CJ000T1) and the output is a four-page listing. The input tape is read and various counts of motor vehicle accident statistics are accumulated in numerous subscripted tables. When the entire tape has been read the subscriptors are set to the beginning of the tables, and the four page report is printed.

II. DETAILED DESCRIPTION

The input and output files are opened, a control card containing the date for which this report is to be run is accepted, and zeros are moved to all of the subscripted tables.

READ-TAPE causes the input tape to be read, and all records other than the Information Record No. 1, or Information Record No. 2 are bypassed. If Information Record No. 1 record is encountered control is transferred to the following paragraph and if Information Record No. 2 is encountered control is transferred to the paragraph entitled PER ROUT. If other than those two records are encountered the control is transferred back to the beginning of this paragraph.

VEH-ROUT checks the code and Vehicle Information Record No. 1 to ascertain if it is a property damage record, injury record, or fatality record and moves a literal to subscriptor and transfers control to the following paragraph. If other than those three codes are encountered, control is returned to the READ paragraph.

CHK-TYPACC checks the type of accident code, moves the appropriate literal to another subscriptor, and transfers control to the following paragraph.

CHK-CLASS checks the street classification code, moves the appropriate value to another subscriptor and transfers control to the following paragraph.

CHK-DIR checks the directional analysis code and moves the appropriate value to another subscriptor and transfers control to the following paragraph.

PA checks a code that indicates whether or not a pedestrian was involved in the accident and if so moves the appropriate value to another subscriptor.

CHK-LIGHT checks the light condition code and moves the appropriate value to another subscriptor and transfers control to the following paragraph.

CHK-SURF checks the code that indicates the surface condition of the road and moves the appropriate value to another subscriptor and transfers control to the following paragraph.

ADD-ROUT1, ADD2 combine to add to the appropriate table based upon the pre-defined subscriptors.

DIR-C checks the directional analysis code and adds to the appropriate subscripted table accordingly.

ADD-LAST adds to a total counter. Control is then transferred to the paragraph entitled NEXT-RECORD.

AR1, AR2, AR3. These three paragraphs are branched to depending upon the directional analysis code determined in paragraph entitled DIR-C. Their function is to add to the appropriate table based upon the subscriptor set in DIR-C. Control is transferred from any of these three paragraphs to the following paragraph.

NEXT-RECORD causes another one of the subscripted tables to be incremented based upon the previously defined subscript values. Control is returned to the READ paragraph.

PER-ROUT. This paragraph is branched to if the record encountered in the READ paragraph is the Information Record No. 2. The function of this paragraph is to determine the pedestrian action as indicated by the Information Record No. 1, and increment the appropriate subscriptor accordingly. Control is then transferred to the following paragraph.

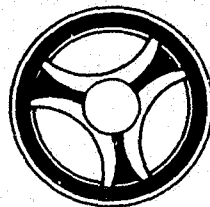
BY-PASS, CHK-PERSON combine to set two subscriptors based upon the age of the person involved. Control is then transferred to the following paragraph.

BY-CHK sets a table subscriptor based upon the type of accident. Control falls through to the following paragraph.

CHK-AGAIN checks the sex of the person involved and sets the appropriate subscriptor.

AROUND sets the appropriate subscriptor based upon the type of vehicle involved in the accident.

INDEX NUMBER
CJ0005INDEX NUMBER
CJ0005-03



PROGRAMMING DOCUMENTATION

SECTION
TRAFFIC ACCIDENT PROGRAMS

DATE ISSUED
January 16, 1973

DATE REVISED



PROGRAMMING DOCUMENTATION

SECTION
TRAFFIC ACCIDENT PROGRAMS

DATE ISSUED
January 16, 1973

DATE REVISED

CHECK-STAT checks the status code which indicates whether the person involved is the driver, the owner of the vehicle, an injured passenger, an injured pedestrian, or a witness to a fatality and sets the appropriate subscriptor accordingly. This paragraph also checks the contributing circumstances code and based upon the results sets the appropriate subscriptor. Control is then transferred to the following paragraphs.

ADD-ROUT2, B-PASS, PASS, BYE-A, N-ADD, BYE-A2, NX-ADD, I-ADD, NXT-ADD, B-ADD, ALA. These paragraphs all combine to add to the appropriate subscripted tables based upon various combinations of the previously defined subscriptors. Depending upon what the subscriptors have been set to some of these paragraphs are bypassed, but the primary function is to increment all the various subscripted tables to the correct amounts.

The above described paragraphs are repeated until the entire input tape has been read, and all of the various subscripted tables have been incremented. Control is then transferred to the following list of paragraphs.

WRITE-IT, WRITE1, NEXT1, WRITE2X, WRITE2, NEXT2, WRITE3X, WRITE3, NEXT3, WRITE4X, WRITE4, NEXT4, WRITE5X, WRITE5, NEXT5, WRITE6X, WRITE6, NEXT6, WRITE7X, WRITE7, LOOPER1, NEXT7, LOOPER2, LOOPER3, WRITE8X, WRITE8, NEXT8, WRITE-NOW, LAST-LOOP, WRITE9X, WRITE9, NEXT9, WRITE10X, WRITE10, BY-PS, CK-RST, BY-PSS, START-LAST, NEXT10, HEADINGS.

The above list of paragraphs combine to produce the entire four-page listing. The paragraphs tend to work in sets of three, i.e., the first paragraph prints the headers on the top of the page of the first listing; the second paragraph sets the subscriptors to the beginning of the appropriate table and the third paragraph causes the individual lines of that table to be printed. The fourth, fifth and sixth paragraphs perform the same function as the first three paragraphs with the exception that they cause the second major portion of the first page of listing to be printed. In other words, WRITE2X has the same function as WRITE-IT except that the actual header information that is being printed is somewhat different than the previous headers. WRITE2 performs the same basic function as WRITE1 except that it is incrementing subscriptors to a different table. NEXT2 performs the same function as NEXT1 except it is printing from a different table. The paragraph names that end in the letter X always perform header. The paragraph names that are prefixed by the word WRITE and end in a numeral always increment subscriptors to one of the tables. The paragraph names that start with the word NEXT and end in a numeral always write from the

subscripted table. After the entire four-page listing has been printed control falls through to the following paragraph.

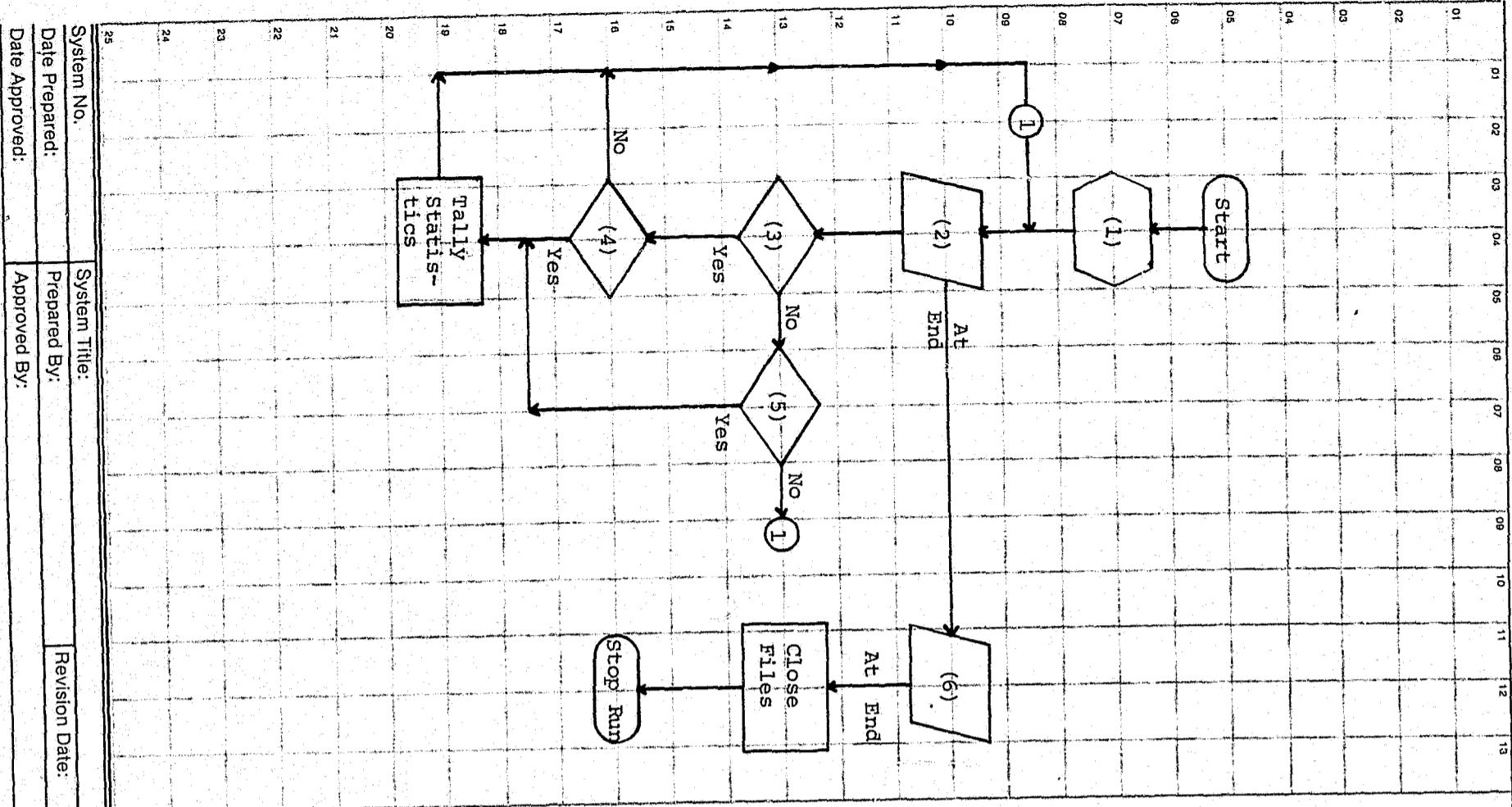
EOJA causes the input and output files to be closed.

INDEX NUMBER
CJ005-05

INDEX NUMBER
CJ005-05

FLOWCHART

DESCRIPTION



- (1) Open Files, Zero Tables, General House-keeping.
- (2) Read Monthly Accident Tape
- (3) Is It An Information Record Type 1?
- (4) Is It A Property Damage Injury, or Fatality Record?
- (5) Is It An Information Record Type 2?
- (6) Print Four Listings.

System No. _____
 Date Prepared: _____
 Date Approved: _____
 System Title: _____
 Prepared By: _____
 Approved By: _____
 Revision Date: _____
 Revised By: _____
 INDEX NUMBER
 CJ005-06

NEW REVISION—SHOW WHY IN 'COMMENTS'

TITLE OF REPORT OR LISTING
 SUMMARY OF MOTOR VEHICLE TRAFFIC ACCIDENTS - CJ005L1

PURPOSE OR FUNCTION IT SERVES
 THIS REPORT IS RUN MONTHLY AND SENT TO THE POLICE DEPARTMENT CRIME AND TRAFFIC ANALYSIS UNIT WHERE THE INFORMATION IS MANUALLY TRANSCRIBED TO ANOTHER REPORT FORM WHICH IS THEN SENT TO THE NATIONAL SAFETY COUNCIL IN WASHINGTON, D.C.

ORIGINATES FROM (SHOW COMPUTER RUN AND/OR MAIN FILE FROM WHICH DATA IS DEVELOPED AND SPAN OF TIME COVERED OR AGE OF DATA)
 THE INFORMATION TO PRODUCE THIS REPORT IS EXTRACTED FROM THE MONTHLY TRAFFIC ACCIDENT TAPE - CJ000T1

NO. COPIES _____ FREQUENCY ISSUED DAILY WEEKLY MONTHLY

DESIGN FORMAT APPROVED BY _____ DATE _____ RELEASE PERIOD _____

DETAILED EXPLANATION OF DATA (WHEN PRINTED CAPTIONS ARE NOT SELF EXPLANATORY)

THE HEADINGS ON THIS REPORT ARE SELF EXPLANATORY, HOWEVER, TO THE AVERAGE READER IT APPEARS THAT THERE IS AN ERROR IN THE NUMBERING SYSTEM OF THE MAJOR HEADINGS ON THE LEFT HAND COLUMN OF EACH PAGE. FOR CLARITY'S SAKE IT SHOULD BE KNOWN THAT THESE NUMBERS AND LETTERS, ALTHOUGH APPEARING INCORRECT, ARE EXACTLY AS REQUESTED BY THE NATIONAL SAFETY COUNCIL REPORT.

COPY DISTRIBUTION

SENT TO	RETENTION	DISPOSITION
1 DATA CONTROL (1)		
2 CRIME AND TRAFFIC ANALYSIS (1)		
3		
4		
5		
6		

COMMENTS

CONTINUE ON REVERSE SIDE

INDEX NUMBER
 CJ005-07

KANSAS CITY MISSOURI POLICE DEPARTMENT
SUMMARY OF MOTOR VEHICLE TRAFFIC ACCIDENTS
JANUARY 1972

1A. TYPE OF MOTOR VEHICLE ACCIDENT	TOTAL				NUMBER OF ACCIDENTS ON ROADWAY				OFF ROADWAY			
	TOTAL	FATAL	INJURY	DAMAGE	TOTAL	FATAL	INJURY	DAMAGE	TOTAL	FATAL	INJURY	DAMAGE
1. OVERTURNING	12	0	5	7	12	0	5	7	0	0	0	0
2. OTHER NONCOLLISION	18	0	8	10	0	0	0	0	18	0	8	10
3. PEDESTRIAN	29	0	25	4	29	0	25	4	0	0	0	0
4. MV IN TRANSPORT	2059	3	251	1805	2059	3	251	1805	0	0	0	0
5. MV ON OTHER ROADWAY	0	0	0	0	0	0	0	0	0	0	0	0
6. PARKED MV	190	0	8	182	190	0	8	182	0	0	0	0
7. RAILWAY TRAIN	4	0	2	2	4	0	2	2	0	0	0	0
8. PEDALCYCLIST	1	0	0	1	1	0	0	1	0	0	0	0
9. ANIMAL	2	0	1	1	2	0	1	1	0	0	0	0
10. FIXED OBJECT	251	4	66	181	0	0	0	0	251	4	66	181
11. OTHER OBJECT	4	0	0	4	4	0	0	4	0	0	0	0
TOTALS	2570	7	366	2197	2301	3	292	2006	269	4	74	191

1B. TYPE OF MOTOR VEHICLE ACCIDENT	KILLED			INJURED			INJURED BY SEVERITY		
	TOTAL	ON ROADWAY	OFF ROADWAY	TOTAL	ON ROADWAY	OFF ROADWAY	INCAPACITATING	NON-INCAPACITATING	POSSIBLE INJURY
1. OVERTURNING	0	0	0	5	5	0	0	2	3
2. OTHER NONCOLLISION	0	0	0	10	0	10	2	7	1
3. PEDESTRIAN	0	0	0	25	25	0	3	11	11
4. MV IN TRANSPORT	3	3	0	377	377	0	32	202	143
5. MV ON OTHER ROADWAY	0	0	0	0	0	0	0	0	0
6. PARKED MV	0	0	0	8	8	0	0	6	2
7. RAILWAY TRAIN	0	0	0	4	4	0	0	2	2
8. PEDALCYCLIST	0	0	0	0	0	0	0	0	0
9. ANIMAL	0	0	0	1	1	0	0	1	0
10. FIXED OBJECT	4	0	4	85	0	85	9	61	15
11. OTHER OBJECT	0	0	0	0	0	0	0	0	0
TOTALS	7	3	4	515	420	95	46	292	177

2. TYPE OF MOTOR VEHICLE ACCIDENT	TOTAL			LAST YEAR			ON ROADWAY			LAST YEAR PERIOD		
	TOTAL	KILLED	INJURY	TOTAL	KILLED	INJURY	TOTAL	KILLED	INJURY	TOTAL	KILLED	INJURY
1. OVERTURNING	0	0	0	0	0	0	12	0	5	0	0	0
2. OTHER NONCOLLISION	0	0	0	0	0	0	18	0	10	0	0	0
3. PEDESTRIAN	0	0	0	0	0	0	29	0	25	0	0	0
4. MV IN TRANSPORT	0	0	0	0	0	0	2059	3	377	0	0	0
5. MV ON OTHER ROADWAY	0	0	0	0	0	0	0	0	0	0	0	0
6. PARKED MV	0	0	0	0	0	0	190	0	8	0	0	0
7. RAILWAY TRAIN	0	0	0	0	0	0	4	0	4	0	0	0
8. PEDALCYCLIST	0	0	0	0	0	0	1	0	0	0	0	0
9. ANIMAL	0	0	0	0	0	0	2	0	1	0	0	0
10. FIXED OBJECT	0	0	0	0	0	0	251	4	85	0	0	0
11. OTHER OBJECT	0	0	0	0	0	0	4	0	0	0	0	0
TOTALS	0	0	0	0	0	0	2570	7	515	0	0	0

14. MANNER OF TWO VEHICLE COLLISION	MANNER OF TWO MOTOR VEHICLE COLLISION							BACKED INTO		NOT STATED
	TOTAL	HEAD-ON	REAR-END	SIDESWIPE-MEETING	SIDESWIPE-PASSING	ANGLE		INTO		
1. ALL ACCIDENTS	0	0	0	0	0	0	0	0	0	
2. FATAL ACCIDENTS	0	0	0	0	0	0	0	0	0	
3. INJURY ACCIDENTS	0	0	0	0	0	0	0	0	0	

INDEX NUMBER
CJ005L1



PROGRAMMING DOCUMENTATION

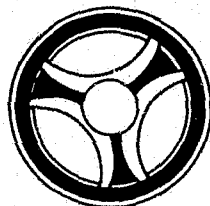
SECTION
TRAFFIC ACCIDENT PROGRAMS

DATE ISSUED
January 16, 1973

DATE REVISED

TITLE: MONTHLY ACCIDENTS STATISTICS
 DATE OPERATIONAL: January 16, 1973
 PURPOSE: To produce a listing of all accidents occurring in a one month period and also accidents occurring with speed as a contributing circumstance. The information listed on these reports is used by command personnel to allocate traffic enforcement forces to high accident areas within the city.

INDEX NUMBER
CJ006-01

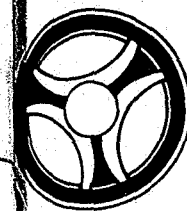


PROGRAMMING DOCUMENTATION

SECTION
TRAFFIC ACCIDENT PROGRAMS

DATE ISSUED
January 16, 1973

DATE REVISED



PROGRAMMING DOCUMENTATION

SECTION
TRAFFIC ACCIDENT PROGRAMS

DATE ISSUED
January 16, 1973

DATE REVISED

I. PROGRAM NARRATIVE

Input to this program is the monthly traffic accident tape (CJ000T1) and the output is a three part multipage listing. The input tape is read and data is extracted from the statistical records and address of occurrence records which is formatted into a sort record and released to a Sort. When the entire tape has been read, the information is sorted by address of occurrence and the first of the three listings is printed. This listing consists of all the accidents that occurred within the city limits during a one month period and contains such information as location of accident, district of occurrence, reporting car, date and time of accidents, contributing circumstances, census tract and block, and complaint number. After the first of the three listings has been printed, the input tape is closed, rewound and is ready to be used as input for the second of the three listings. The tape is read through a second time and this time only records that have speed as a contributing circumstance to the accident are accepted. These records are loaded into a second sort and sorted by address of occurrence. The second listing is then printed and is identical to the first, except that the only accidents printed are those containing speed as a contributing circumstance. The entire cycle is performed one more time the only difference being that the sort causes the records to be listed out on the third listing by district of occurrence instead of address. The third listing once again only contains records that have speed as a contributing circumstance.

II. DETAILFD DESCRIPTION

The input and output files are opened, spaces are moved to various work areas, a date card is accepted, and the first of the three sorts is initiated.

RELEASE-THEM reads the input traffic accident tape and selects only statistical or location records and transfers control to the appropriate paragraph. If the statistical record is information record number 1, it is handled in this paragraph by moving the necessary data fields to the sort area and then control is returned to the beginning of the paragraph.

CHK-PER is an important paragraph in that a switch is checked to determine if this is the first pass of the input tape from which the first report will be printed. If the switch indicates that this is the first pass of the tape, control is transferred directly to the following paragraph. If the switch indicates that this is the second or third pass of the tape, a check is then made to determine if speeding was a contributing circumstance and if not, control is returned back to the read paragraph. Otherwise, it falls through to the following paragraph.

INDEX NUMBER
CJ006-02

NEXTX4 this paragraph uses information from statistical record number 2 to determine whether there were one or two drivers involved in the accident and sets various switches accordingly.

THE-B, NEXTX2, NEXTX3. These three paragraphs combine to extract and remove the remaining information from the statistical records to the sort area. Control is returned to the read paragraph.

CHK-LOC, NEXTX5. These paragraphs are branched to if the record encountered in the read paragraph is either an intersection address of occurrence record, or an actual address of occurrence record. The functions of the paragraphs are to move the necessary information from the input paragraph to the sort area. Control is returned to the read paragraph.

CHK-RELEASE. This paragraph is branched to from the READ paragraph when an entire complement of records has been read. Several switches that have been set in the previous paragraphs are checked to ascertain that all of the necessary information has been collected and if so, the sort record that has been already formatted is released to the Sort. This paragraph also resets the various switches and checks the end switch, that is also set back in the read paragraph, to determine whether the entire tape has been read, and if so control is transferred to the following paragraph. Otherwise, control goes back to the read paragraph.

EOJA this paragraph is branched to when the tape has been read through completely the first time. Its function is to activate the Sort and the records are sorted by street number within street suffix within street name. These address fields contained in each sort record were obtained from the address of occurrence records. When the sort is complete control falls through to the following paragraph.

RETURN-THEM simply performs another paragraph called HEADINGS.

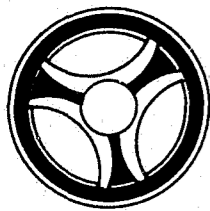
RT1 returns the records from the first sort and writes the listing a line at a time until the entire sorted file has been depleted. At that point, control falls through to the following paragraph.

EOJB causes control to be transferred to the paragraph entitled SECOND-PHASE.

HEADINGS is simply a performed paragraph that prints the headings at the top of each page of the listing.

SECOND-PHASE causes all of the work areas and counters to be set back to zeros and spaces, and the accident tape is closed, reopened, and a Sort is initiated. Closing the input tape causes the tape to rewind to the beginning of the tape so it is ready to be read a second time.

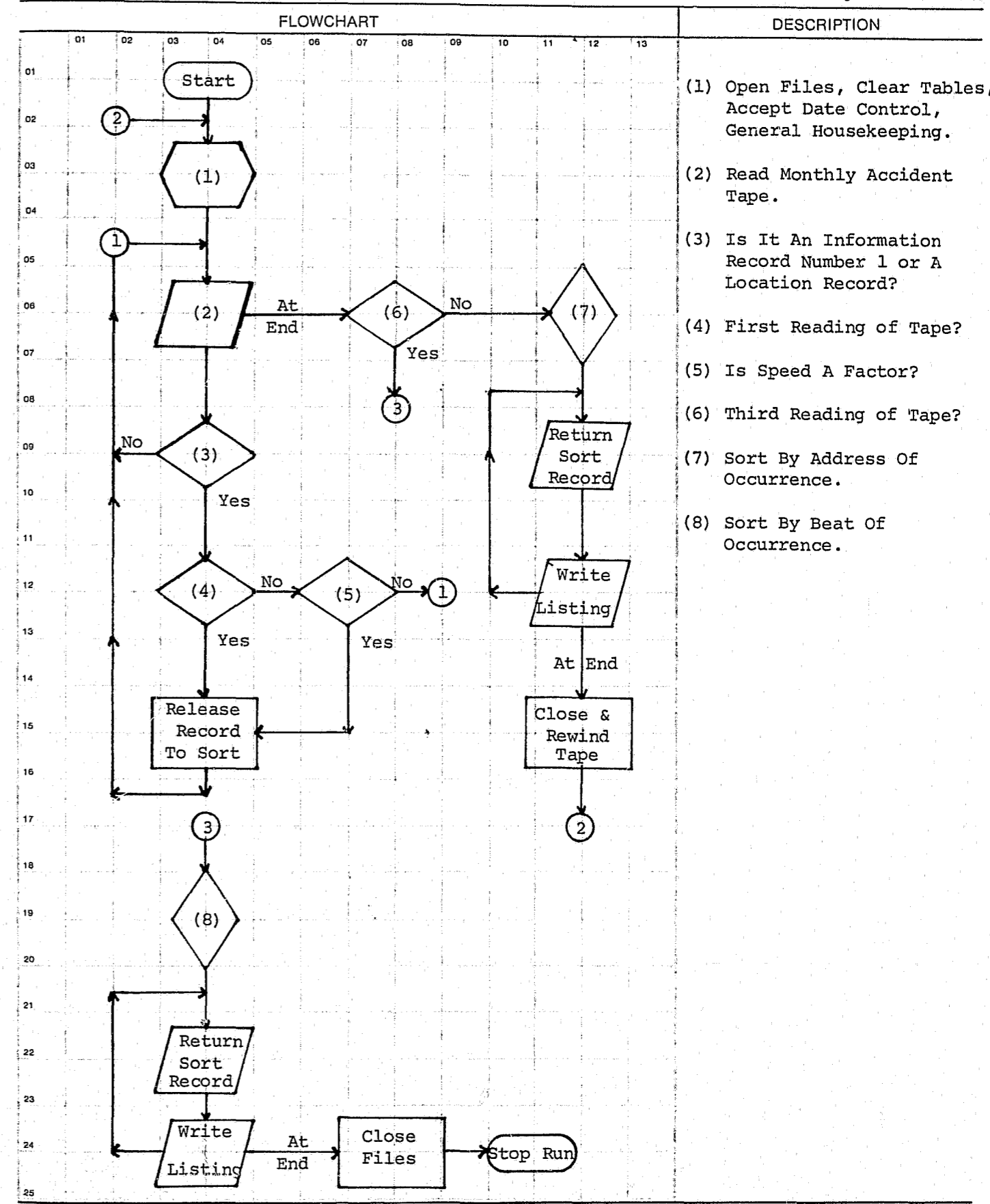
INDEX NUMBER
CJ006-03



A new header, "Accidents with speed - a factor", is moved to the heading area so that when the paragraph entitled HEADINGS is performed the print out will now contain that literal in place of the one indicating all accidents. The switch that is checked in the paragraph entitled CHK-PER is now set to indicate that the second and third reports are about to be printed. At this point, in this paragraph, control is returned to the paragraph entitled RELEASE-THEM which is the read paragraph. The entire procedure encompassing RELEASE-THEM through EOJA is repeated until the input tape has been exhausted for the second time. At that point the record accumulated will only be records involving accidents with speed as a factor, and they are released to the second Sort. The records in this Sort are sorted by street number within street suffix within street name within beat of occurrence. Control is then returned to the paragraph entitled RETURN-THEM and the entire second listing is printed. The second listing is identical to the first in format; the only difference is that the records are sorted by beat of occurrence, and only records with speed as a contributing factor are listed. When the entire second Sort file has been exhausted control falls through to the paragraph entitled EOJB which closes the tape and rewinds it so that it is ready for a third pass. The various counters and save areas are once again set to spaces and zeros, and control is then transferred to the following paragraph.

ONE-JOB this paragraph causes all of the same things to happen as occurred in the second phase of the program. The only difference is that the third listing is once again sorted in the same sequence as the first listing which is street number with street suffix within street name. When the entire third listing has been printed the input and output files are closed and a normal end of job message is displayed upon the console.

INDEX NUMBER
CJ006-04



System No.	System Title:	Revision Date:	Revised By:
Date Prepared:	Prepared By:	Date Approved:	Approved By:

INDEX NUMBER
CJ006-05

DESCRIPTION OF COMPUTER REPORT OR LISTING

DATE	ID N
------	------

NEW REVISION—SHOW WHY IN 'COMMENTS'

TITLE OF REPORT OR LISTING MONTHLY TRAFFIC ACCIDENT REPORT - ALL ACCIDENTS - CJ006L1 MONTHLY TRAFFIC ACCIDENT REPORT - SPEED A FACTOR - CJ006L1		
PURPOSE OR FUNCTION IT SERVES THIS REPORT IS DESIGNED TO PROVIDE POLICE AND TRAFFIC ADMINISTRATORS WITH INFORMATION CONCERNING THE VEHICULAR ACCIDENTS WITHIN THE CITY. REPORTS ARE DESIGNED TO IDENTIFY CONTRIBUTING FACTORS OF ACCIDENTS SORTED BY LOCATION AND THEREFORE PROVIDE INPUT FOR SELECTIVE ENFORCEMENT PROGRAMS.		
ORIGINATES FROM (SHOW COMPUTER RUN AND/OR MAIN FILE FROM WHICH DATA IS DEVELOPED AND SPAN OF TIME COVERED OR AGE OF DATA) THIS INFORMATION IS EXTRACTED FROM THE MONTHLY TRAFFIC ACCIDENT TAPE - CJ006T1.		
NO. COPIES	FREQUENCY ISSUED <input type="checkbox"/> DAILY <input type="checkbox"/> WEEKLY <input checked="" type="checkbox"/> MONTHLY <input type="checkbox"/>	
DESIGN FORMAT APPROVED BY	DATE	RELEASE PERIOD

COPY DISTRIBUTION

SENT TO	RETENTION	DISPOSITION
1 ORIGINATING AGENCY (3)		
2 FILE (1)		
3		
4		
5		
6		

COMMENTS

INDEX NUMBER
CJ006-06

DETAILED EXPLANATION OF DATA (WHEN PRINTED CAPTIONS ARE NOT SELF EXPLANATORY)

CJ006L1 ACTUALLY PROVIDES FOUR SEPARATE REPORTS CONCERNING TRAFFIC ACCIDENTS. THOSE FOUR REPORTS ARE:

1. ALL TRAFFIC ACCIDENTS SORTED BY ADDRESS OF OCCURRENCE.
2. ALL TRAFFIC ACCIDENTS SORTED BY DISTRICT OF OCCURRENCE.
3. ACCIDENTS WITH SPEED AS A FACTOR SORTED BY ADDRESS OF OCCURRENCE.
4. ACCIDENTS WITH SPEED AS A FACTOR SORTED BY DISTRICT OF OCCURRENCE.

THE MAJORITY OF INFORMATION ON THIS REPORT IS CODED. THOSE CODES MAY BE FOUND IN THE ALERT USER MANUAL.

HORIZONTAL HEADINGS ARE AS FOLLOWS:

1. LOCATION OF ACCIDENT
2. DISTRICT OF OCCURRENCE
3. REPORTING CAR
4. DATE OF OCCURRENCE
5. TIME OF OCCURRENCE
6. DAY OF WEEK
7. SEVERITY INDEX
8. INJURY CLASSIFICATION
9. TYPE OF ACCIDENT
10. VEHICLE NUMBER 1 TYPE (STRIKING VEHICLE)
11. VEHICLE NUMBER 2 TYPE
12. CONTRIBUTING CIRCUMSTANCES
13. HAD BEEN DRINKING? (DRIVER NUMBER 1)
14. HAD BEEN DRINKING? (DRIVER NUMBER 2)
15. HAD BEEN DRINKING? (PEDESTRIAN)
16. CONDITION OF DRIVER NUMBER 1
17. CONDITION OF DRIVER NUMBER 2
18. CONDITION OF PEDESTRIAN

CONTINUE ON REVERSE SIDE

NEW REVISION—SHOW WHY IN 'COMMENTS'

TITLE OF REPORT OR LISTING MONTHLY TRAFFIC ACCIDENT REPORT - ALL ACCIDENTS - CJ006L1 MONTHLY TRAFFIC ACCIDENT REPORT - SPEED A FACTOR - CJ006L1		
PURPOSE OR FUNCTION IT SERVES		
ORIGINATES FROM (SHOW COMPUTER RUN AND/OR MAIN FILE FROM WHICH DATA IS DEVELOPED AND SPAN OF TIME COVERED OR AGE OF DATA)		
NO. COPIES	FREQUENCY ISSUED <input type="checkbox"/> DAILY <input type="checkbox"/> WEEKLY <input type="checkbox"/> MONTHLY <input type="checkbox"/>	
DESIGN FORMAT APPROVED BY	DATE	RELEASE PERIOD

COPY DISTRIBUTION

SENT TO	RETENTION	DISPOSITION
1		
2		
3		
4		
5		
6		

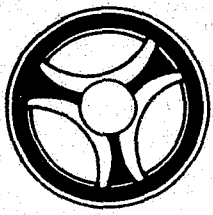
COMMENTS

INDEX NUMBER
CJ006-07

DETAILED EXPLANATION OF DATA (WHEN PRINTED CAPTIONS ARE NOT SELF EXPLANATORY)

19. LIGHT CONDITIONS
20. WEATHER CONDITIONS
21. ROAD SURFACE
22. ROAD CONDITIONS
23. ROAD TYPE
24. KIND OF LOCATION
25. TRAFFIC CONTROL FOR VEHICLE NUMBER 1
26. TRAFFIC CONTROL FOR VEHICLE NUMBER 2
27. PEDESTRIAN ACTION
28. VIOLATION OR ARREST
29. CENSUS TRACT
30. CENSUS BLOCK
31. POLICE COMPLAINT NUMBER

CONTINUE ON REVERSE SIDE



I. PROGRAM NARRATIVE

Input to this program is the monthly traffic tape (CJ000T1) and output is a single page listing. The input tape is read and various counts of motor vehicle accident statistics are accumulated in a subscripted table. When the entire tape has been read and the table counts accumulated, the single page listing is printed breaking down the accidents by accident classification, day of week, and time of day by one hour increments. At the bottom of the page are three total counters which display total property damage accidents, total injury accidents, and total fatality accidents.

II. DETAILED DESCRIPTION

The input and output files are opened, a control card is accepted, and zeros are moved to the double subscripted table and three total counters.

READ-IT reads the input tape and at the end transfers control to the paragraph entitled START-WRITING-PLEASE. The originating agency code is compared to the originating agency code contained in the control card and if unequal control returns to the beginning of the paragraph. The type record is checked to see that it is an accident information record number 1 and if other than that, control is transferred to the beginning of the paragraph. The accident tape is checked and one of the three total counters is incremented based upon this type. Control then falls through to the following paragraph.

CHK-TIME checks the time of day in which the accident occurred and sets the appropriate subscriptor accordingly.

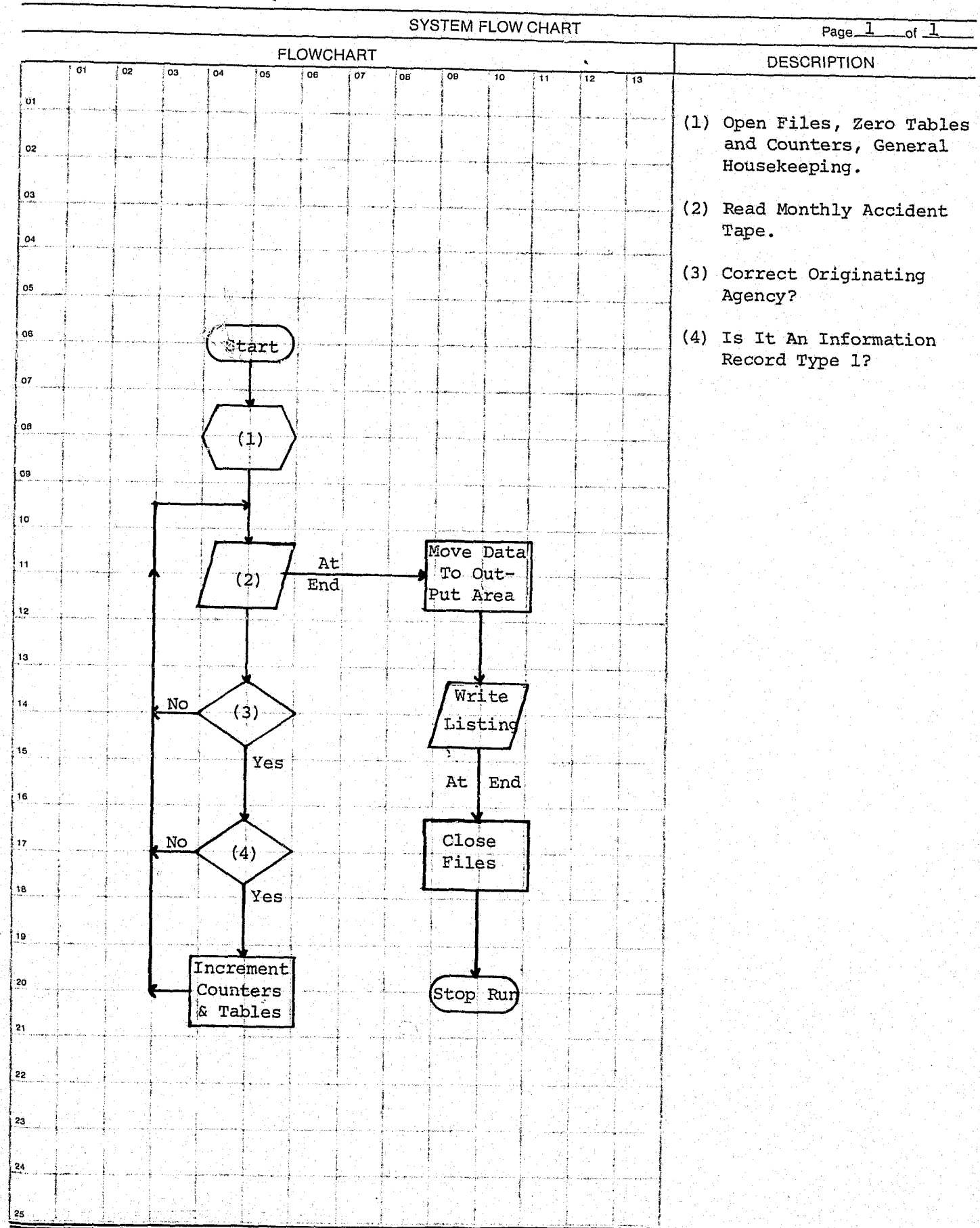
CHK-DAY checks the date of the week code and sets the appropriate subscriptor accordingly.

ADD-IT adds the double subscripted table based upon the previously set subscriptors. Control is then returned to the read paragraph.

START-WRITING-PLEASE is the paragraph branched to when the entire input tape has been read and causes the headers to be printed at the top of the page of the report.

PLEASE is the paragraph that moves the entire table a line at a time to the print area.

THANK-YOU causes the entire listing to be printed including the three total counters at the bottom of the page. The input and output files are closed and a normal end of job is displayed upon the console.



DESCRIPTION OF COMPUTER REPORT OR LISTING

NEW REVISION—SHOW WHY IN 'COMMENTS'

DATE	ID N
------	------

TITLE OF REPORT OR LISTING ACCIDENTS BY TIME OF DAY - CJ007L1		
PURPOSE OR FUNCTION IT SERVES THIS REPORT IS DESIGNED TO REPRESENT A TEMPORAL DISTRIBUTION OF VEHICULAR ACCIDENTS OCCURRING WITHIN THE CITY AND THEREFORE PROVIDE INFORMATION FOR SELECTIVE ENFORCEMENT AND MANPOWER ALLOCATION EFFORTS.		
ORIGINATES FROM (SHOW COMPUTER RUN AND/OR MAIN FILE FROM WHICH DATA IS DEVELOPED AND SPAN OF TIME COVERED OR AGE OF DATA) THIS INFORMATION IS EXTRACTED FROM THE MONTHLY TRAFFIC ACCIDENT TAPE - CJ000T1.		
NO. COPIES	FREQUENCY ISSUED <input type="checkbox"/> DAILY <input type="checkbox"/> WEEKLY <input checked="" type="checkbox"/> MONTHLY <input type="checkbox"/>	
DESIGN FORMAT APPROVED BY	DATE	RELEASE PERIOD

DETAILED EXPLANATION OF DATA (WHEN PRINTED CAPTIONS ARE NOT SELF EXPLANATORY)
CJ007L1 IS COMPRISED OF A SINGLE TWO-DIMENSIONAL ARRAY DISTRIBUTING A COUNT OF VEHICULAR ACCIDENTS BY ACCIDENT TYPE (PROPERTY DAMAGE, INJURY, OR FATALITY) WITHIN DAY OF WEEK BY TIME OF DAY. HORIZONTALLY, EACH DAY OF THE WEEK IS REPRESENTED BY THREE COLUMNS; ONE FOR PROPERTY DAMAGE ACCIDENTS, ONE FOR INJURY ACCIDENTS, ONE FOR FATAL ACCIDENTS. A TOTAL COLUMN FOR THE WEEK IS ALSO SHOWN. VERTICALLY, THE TIME OF DAY IS BROKEN INTO 24 ONE-HOUR INCREMENTS.

AT THE BOTTOM OF THE LISTING A TOTAL LINE IS GIVEN AS WELL AS A DISPLAY OF THE TOTAL NUMBER OF PROPERTY DAMAGE ACCIDENTS, THE TOTAL NUMBER OF INJURY ACCIDENTS, AND THE TOTAL NUMBER OF VEHICULAR FATALITIES.

COPY DISTRIBUTION

SENT TO	RETENTION	DISPOSITION
1 ORIGINATING AGENCY (3)		
2 FILE (1)		
3		
4		
5		
6		

COMMENTS

CONTINUE ON REVERSE SIDE

KANSAS CITY MISSOURI POLICE DEPARTMENT
****RESTRICTED INFORMATION - FOR KCHOPD USE ONLY****
ACCIDENTS BY TIME OF DAY
JANUARY 1972

	SUNDAY			MONDAY			TUESDAY			WEDNESDAY			THURSDAY			FRIDAY			SATURDAY			TOTAL
	PRO.	INJ.	FAT.	PRO.	INJ.	FAT.	PRO.	INJ.	FAT.	PRO.	INJ.	FAT.	PRO.	INJ.	FAT.	PRO.	INJ.	FAT.	PRO.	INJ.	FAT.	
00 - 01	16	7	0	6	0	0	3	0	0	5	0	0	15	1	0	11	2	0	23	8	0	97
01 - 02	22	6	0	0	1	0	3	3	0	2	1	0	5	1	0	5	1	0	22	9	2	83
02 - 03	4	2	0	1	1	0	2	0	0	0	1	0	0	0	0	1	1	0	9	5	0	27
03 - 04	7	1	0	1	0	0	1	0	0	0	0	0	2	0	0	4	0	0	6	3	0	26
04 - 05	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	1	0	7
05 - 06	2	0	0	2	0	0	0	0	0	0	0	0	2	0	0	2	0	0	3	1	0	12
06 - 07	0	0	0	9	0	0	4	0	0	3	0	0	12	1	0	6	0	0	1	2	0	38
07 - 08	1	0	0	24	3	0	19	1	0	14	3	0	31	2	0	32	5	0	3	1	0	139
08 - 09	10	0	0	17	5	0	15	2	0	14	2	0	24	7	0	31	5	0	6	3	0	141
09 - 10	6	2	0	19	1	0	8	1	0	5	1	0	21	2	0	14	1	0	10	1	0	92
10 - 11	7	0	0	27	5	0	12	1	0	10	0	0	13	3	0	20	5	0	14	4	0	121
11 - 12	10	0	0	27	4	0	10	2	0	8	0	0	17	1	0	29	2	0	19	5	0	134
12 - 13	10	1	0	27	2	0	18	3	0	15	2	0	16	5	0	24	1	0	27	2	0	153
13 - 14	14	4	0	35	6	0	15	4	0	21	1	0	14	1	0	23	3	0	22	6	0	169
14 - 15	8	1	0	31	4	0	11	1	0	14	2	0	19	2	1	27	4	0	24	5	0	154
15 - 16	12	5	0	40	6	0	23	1	0	29	5	0	22	4	1	28	3	1	21	7	0	208
16 - 17	16	4	0	58	10	0	27	3	0	29	4	0	36	5	0	44	4	0	13	5	0	258
17 - 18	12	1	0	35	4	0	15	6	0	18	6	0	30	6	0	39	0	0	25	5	0	202
18 - 19	10	3	0	24	4	0	9	0	0	14	3	0	15	3	0	23	6	0	23	2	0	139
19 - 20	4	1	0	13	2	0	7	1	0	3	2	0	16	2	0	24	1	0	20	1	0	97
20 - 21	5	4	0	10	0	0	6	0	0	7	0	0	7	1	0	15	1	0	12	6	1	75
21 - 22	4	0	0	5	2	0	4	0	0	8	1	0	11	3	0	15	4	0	13	2	0	72
22 - 23	7	2	0	5	3	0	3	0	0	5	0	0	1	1	0	18	0	0	17	3	1	66
23 - 24	3	1	0	5	1	0	1	0	0	9	0	0	5	1	0	13	1	0	16	3	0	59
N - S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	191	46	0	422	64	0	217	29	0	233	35	0	334	52	2	449	50	1	350	90	4	2569

TOTAL PROPERTY DAMAGE - 002197
TOTAL INJURY - 000366
TOTAL FATALITY - 000067

INDEX NUMBER
CJ007-04

INDEX NUMBER
CJ007-05



PROGRAMMING DOCUMENTATION

SECTION

TRAFFIC ACCIDENT PROGRAMS

DATE ISSUED

January 16, 1973

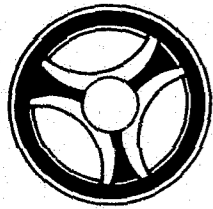
DATE REVISED

PROGRAM TITLE: ACCIDENTS BY BEAT OF OCCURRENCE

DATE OPERATIONAL: January 16, 1973

PURPOSE: To produce a multi-part listing of monthly traffic accidents
in sequential order by police beat of occurrence.

INDEX NUMBER
CJ008-01



PROGRAMMING DOCUMENTATION

SECTION
TRAFFIC ACCIDENT PROGRAMS

DATE ISSUED
January 16, 1973

DATE REVISED



PROGRAMMING DOCUMENTATION

SECTION
TRAFFIC ACCIDENT PROGRAMS

DATE ISSUED
January 16, 1973

DATE REVISED

I. PROGRAM NARRATIVE

Input to this program is a Monthly Traffic Accident Tape (CJ000T1) and the output is several different listings based upon the originating agency requesting the run. The course of this program is directed by a control card that is accepted at the beginning of the procedure division. If the originating agency is other than the Kansas City, Missouri Police Department, the output is two (2) multi-page listings. The listings are similar in that both contain all accidents that occurred in a month's time within the city limits of whatever agency is contained on the control card. Both listings are also sorted by the beat in which the accident occurred. The difference between the two listings is that the statistical information on the first is more complete than on the second. The second listing however has expanded literals such as day of the week, time of the day, and contributing circumstances which tend to make the listing easier to read.

If the agency contained in the control card is the Kansas City, Missouri Police Department, the output of the program is three separate reports. The first of these is a one-page report which lists counts of all accidents occurring within a one-month period by the five sectors within each of the three major patrol divisions within Watch (8-hour work shift). The second report is identical to the first with the exception that the counts only pertain to injury accidents as opposed to all accidents. The third report is a multi-page listing of all accidents that occurred within the city limits of Kansas City during a one-month period. The information is listed sequentially by the beat in which the accident occurred with a sheet eject at the end of each individual beat.

II. DETAILED DESCRIPTION

The input and output files are opened, spaces are moved to the Sort work area, and the control card is accepted. The control card contains the date for which this program is to be run which is moved to one of the header lines, the program number which is also moved to a header line, the originating agency code, the expanded agency which is moved to a header, and a sequence number. The Sort file is initiated and control is transferred to the following paragraph.

RELEASE-THEM. This paragraph reads the input traffic accident tape, and selects only statistical or location records and transfers control to the appropriate paragraph based upon which record is found. If statistical

record No. 1 is found it is handled in this paragraph and all the necessary data fields are moved from the record to the Sort work area. Control is then returned to the beginning of the paragraph.

CHK-PER, NEXTX4, THE-B, NEXTX2, NEXTX3. These five paragraphs combine to handle statistical record No. 2 when it is encountered in the READ paragraph. Accident statistics are extracted from this record and moved to the Sort work area. Control is then returned to the READ paragraph.

CHK-LOC, NEXTX5. These two paragraphs are branched to if the record encountered in the READ paragraph is either of the two address of occurrence records. The function of the paragraphs is to move the necessary information from the record to the Sort work area. Control is returned to the READ paragraph.

CHK-RELEASE is branched to from the READ paragraph when an entire complement of records has been read. Various switches that have been set in the previous paragraphs are checked to ascertain that all of the necessary information has been selected and if so, the Sort record that has already been formatted in the work area is released. The various switches are re-set and the end switch is examined to ascertain if the last record on the input tape has been read, and if so control is transferred to the following paragraph. Otherwise the control is transferred back to the READ paragraph.

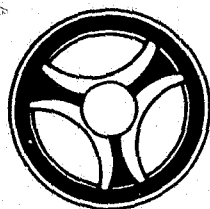
EOJA. After all of the Sort records have been created and released to the Sort, this paragraph causes the records to be sorted by street number within street suffix within street name within beat of occurrence within watch (8-hour patrol shift). When the Sort is complete control falls through to the following paragraph.

RETURN-THEM. This paragraph checks the originating agency code in the control card and if equal to the Kansas City, Missouri Police Department, zeros are moved to a double subscripted table which will be built in the paragraph entitled "WATCH-1". Control is then transferred to the following paragraph. If other than the Kansas City originating agency code, the paragraph entitled HEADINGS is performed and then control falls through to the following paragraph.

RT1 returns the records from the Sort file, once again checks the agency code, and if equal to Kansas City transfers control to the paragraph entitled WATCH-1. Otherwise a line count is incremented and the paragraph entitled HEADINGS is performed based upon the value of the line counter.

INDEX NUMBER
CJ008-02

INDEX NUMBER
CJ008-03



PROGRAMMING DOCUMENTATION

SECTION TRAFFIC ACCIDENT PROGRAMS	
DATE ISSUED January 16, 1973	DATE REVISED

RET-BRK causes the record that has just been returned from the Sort file to be printed on the listing. Control is then returned to the paragraph entitled RT1. These two paragraphs (RT1, RET-BRK) form a loop that returns and prints each record from the Sort file if the originating agency code is other than the Kansas City Police Department. The end result is the first of the two listings that are printed for outside agencies. When the last record has been returned from the Sort control is transferred to the paragraph entitled EOJB.

WATCH-1. This paragraph is branched to if the agency code encountered in the return Sort records (paragraph RT1) is equal to the Kansas City, Missouri Police Department. The function of this paragraph is to add to a subscripted table based upon zone, watch, and sector in which the accident occurred. This table will ultimately be used as input for the first two one-page reports listed only for the Kansas City, Missouri Police Department originating agency code. Control is returned to the paragraph entitled RT1. This paragraph and RT1 also form a loop and are repeated until the last record is returned from the Sort at which time control is transferred to the following paragraph.

EOJB is an exit paragraph which causes control to be passed to the paragraph entitled SECOND-PHASE.

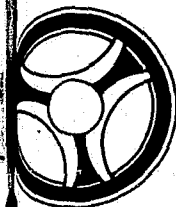
HEADINGS is a performed paragraph which causes the header lines to be printed on the listings that are to be used by agencies other than the Kansas City, Missouri Police Department.

SECOND-PHASE. Once again checks the originating agency code in the control card and if equal to other than the Kansas City, Missouri Police Department, control is transferred to the paragraph entitled SOP-JOB. Otherwise, control falls through to the following list of paragraphs.

BEGINER, BEGINR2, ENDER, TOT-1. These four paragraphs combine to print the first two listings of the three that this program produces as output for the Kansas City, Missouri Police Department. These two reports contain counts of accidents that occurred within the city limits of Kansas City, Missouri. The input used to produce the reports is the table that was created in the paragraph entitled WATCH-1. A line counter is incremented and checked in these paragraphs to ascertain when the two reports have been completely printed, and when this occurs control is transferred to the following paragraph.

SOP-JOB. This paragraph is the beginning of the second major section of this program. Its function is to zero out all the tables and counters, close the input tape which causes it to re-wind, and re-open it as input.

INDEX NUMBER
CJ008-04



PROGRAMMING DOCUMENTATION

SECTION TRAFFIC ACCIDENT PROGRAMS	
DATE ISSUED January 16, 1973	DATE REVISED

A second Sort is initiated which is identical to the first and control is then transferred back to the paragraph entitled RELEASE-THEM. The entire cycle is started over again, and the input tape is read, the Sort loaded, and the records sorted exactly as previously described. The only difference is that upon completion of the Sort, control is returned to the following paragraph.

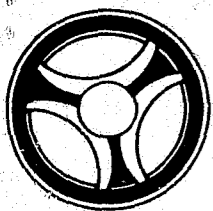
RT2. This paragraph returns the sorted records and at the end moves one to the end switch and transfers control to the paragraph BK-BRK. The originating agency code is once again checked to ascertain whether the agency is other than Kansas City, Missouri and if so control is transferred to the paragraph entitled RET-BRK2. If the agency is Kansas City, Missouri, the beat and watch in each record is checked to see if it is equal to the previous record, and if not control is transferred to the paragraph entitled BK-BRK.

RET-BRK2. This paragraph moves expanded literals to the print area based upon the day of the week code, the time of day code, and the contributing circumstances code. In other words if the day of week code is equal to one, the word "Sunday" is moved to the print line. The same type expansion occurs for the time of day and the contributing circumstances. The end of this paragraph causes the record that has just been returned from the Sort with the literals moved to it to be printed on the listing and then control is returned to the paragraph entitled RT2.

BK-BRK. This paragraph is branched to either when the last record has been returned from the Sort, or if there has been a change in the beat or watch from one sorted record to the next. The originating agency code is checked in this paragraph and if equal to other than Kansas City, control is transferred to the paragraph entitled EOJC. Otherwise, a header is printed at the top of a new page, the present record's beat and watch are moved to the save area and control is returned to the paragraph entitled RET-BRK2. Also the end switch is checked in this paragraph and if equal to '1' control is transferred to EOJC. The end result of the paragraphs RT2 through BK-BRK is that if the originating agency is other than the Kansas City, Missouri Police Department, the listing will be printed in ascending order by beat and watch with no sheet eject when the beat or watch changes. In other words each page will be full and in ascending order by beat and watch. If it is for the Kansas City, Missouri Police Department the listing will be listed in the exact same order, however there will only be one beat within one watch per page on the report.

HEADINGS2 is a performed paragraph which prints the headings at the top of the page of the previously described listing.

INDEX NUMBER
CJ008-05



PROGRAMMING DOCUMENTATION

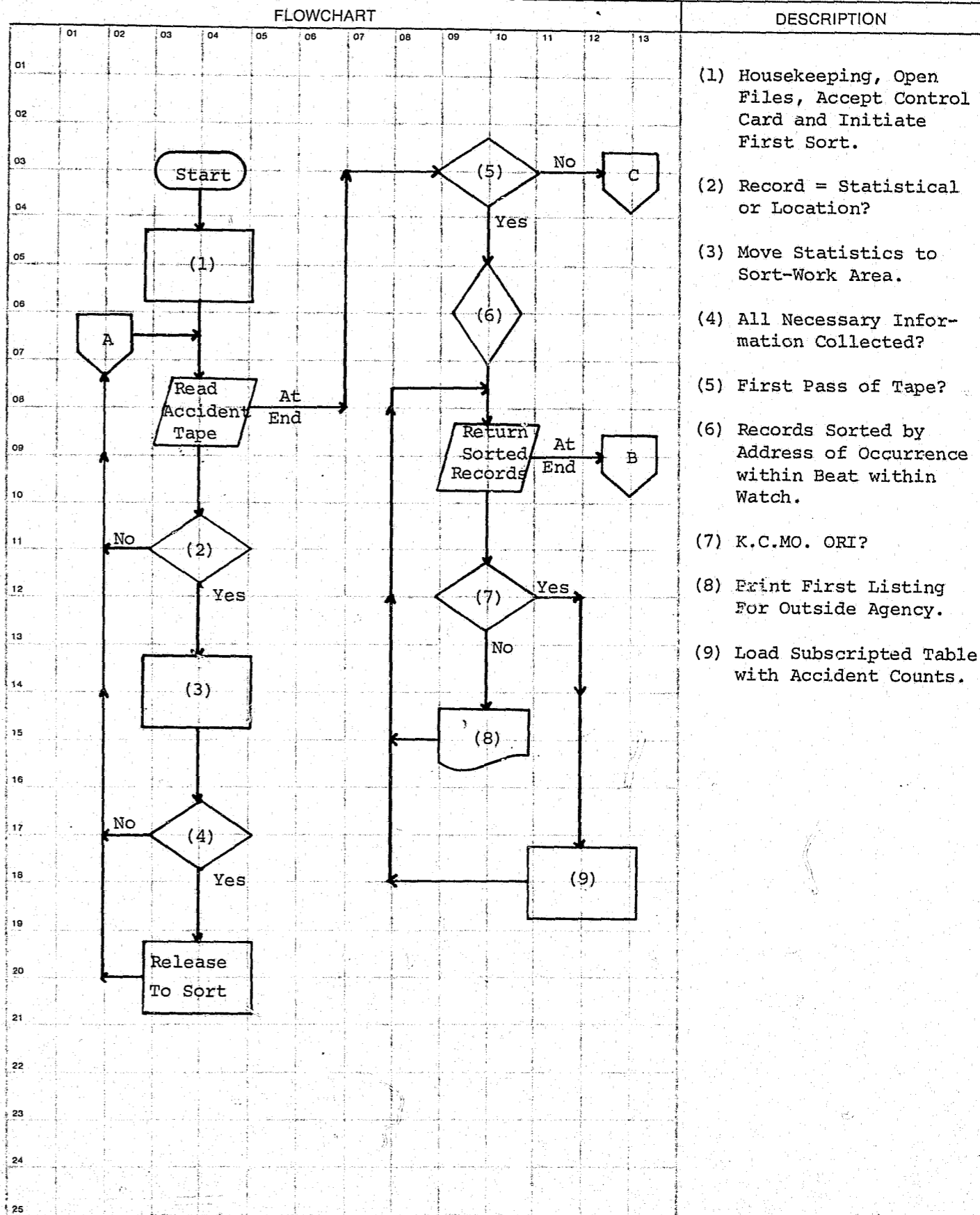
SECTION
TRAFFIC ACCIDENT PROGRAMS

DATE ISSUED
January 16, 1973

DATE REVISED

EOJC is the exit paragraph from the second major portion of this program and causes the input and output files to be closed and a normal end-of-job message displayed upon the console.

SYSTEM FLOW CHART



INDEX NUMBER
CJ008-06

System No.	System Title:	Revision Date:	Revised By:
Date Prepared:	Prepared By:		
Date Approved:	Approved By:		

INDEX NUMBER
CJ008-07

DESCRIPTION OF COMPUTER REPORT OR LISTING

NEW REVISION—SHOW WHY IN 'COMMENTS'

DATE	ID N
------	------

TITLE OF REPORT OR LISTING TRAFFIC ACCIDENTS BY PATROL BEAT - CJ008L1		
PURPOSE OR FUNCTION IT SERVES THIS REPORT SERVES THE DUAL FUNCTION OF ADVISING THE INDIVIDUAL BEAT PATROLMAN OF ACCIDENTS OCCURRING WITHIN HIS DISTRICT AS WELL AS ADDRESSING SELECTIVE ENFORCEMENT ASSIGNMENTS BY ADDRESS WITHIN BEAT.		
ORIGINATES FROM (SHOW COMPUTER RUN AND/OR MAIN FILE FROM WHICH DATA IS DEVELOPED AND SPAN OF TIME COVERED OR AGE OF DATA) THIS INFORMATION IS EXTRACTED FROM THE MONTHLY TRAFFIC ACCIDENT TAPE - CJ008T1.		
NO. COPIES	FREQUENCY ISSUED <input type="checkbox"/> DAILY <input type="checkbox"/> WEEKLY <input checked="" type="checkbox"/> MONTHLY <input type="checkbox"/>	
DESIGN FORMAT APPROVED BY	DATE	RELEASE PERIOD

DETAILED EXPLANATION OF DATA (WHEN PRINTED CAPTIONS ARE NOT SELF EXPLANATORY)

CJ008L1 PRODUCES THREE LISTINGS ALL OF WHICH ARE ORIENTED TOWARD ACCIDENT ANALYSIS BY DISTRICT OR PATROL BEAT OF OCCURRENCE. THE FIRST TWO SINGLE PAGE REPORTS EACH REPRESENT THREE TWO-DIMENSIONAL ARRAYS, EACH TWO-DIMENSIONAL ARRAY REPRESENTING AN EIGHT HOUR WATCH. THE FIRST REPORT REPRESENTS ALL ACCIDENTS BY PATROL DIVISION WITHIN WATCH AND SECTOR. THE SECOND REPORT REPRESENTS ONLY INJURY ACCIDENTS BY PATROL BEAT WITHIN PATROL DIVISION WATCH AND SECTOR. HEADINGS FOR THE THREE PATROL DIVISIONS, CENTRAL, SOUTH, AND NORTHEAST, ARE SELF EXPLANATORY WITH THE UNDERSTANDING THAT THE KANSAS CITY POLICE DEPARTMENT IS STRUCTURED AS FOLLOWS:

1. A WATCH REPRESENTS AN EIGHT HOUR PERIOD.
2. EACH PATROL DIVISION, MENTIONED ABOVE, IS BROKEN INTO FIVE SECTORS.
3. EACH SECTOR IS BROKEN INTO FIVE DISTRICTS

THE THIRD REPORT PRODUCED BY CJ008L1 IS A LISTING OF PERTINENT INFORMATION CONCERNING ALL VEHICULAR ACCIDENTS OCCURRING WITHIN BEAT. ACCIDENTS ARE LISTED BY LOCATION OF OCCURRENCE WITHIN PATROL DISTRICT WITH A CONTROL BREAK OCCURRING AND A NEW PAGE ADVANCED AT THE END OF EACH DISTRICT. HORIZONTAL HEADINGS FOR THESE ACCIDENT-BY-BEAT LISTINGS ARE AS FOLLOWS:

1. ACCIDENT LOCATION.
2. DISTRICT OF OCCURRENCE.
3. DATE OF OCCURRENCE.
4. DAY OF WEEK
5. TIME OF OCCURRENCE
6. CONTRIBUTING CIRCUMSTANCES.

CONTINUE ON REVERSE SIDE

COPY DISTRIBUTION

SENT TO	RETENTION	DISPOSITION
1 ORIGINATING AGENCY (3)		
2 FILE (1)		
3		
4		
5		
6		

COMMENTS

INDEX NUMBER
CJ008-11

NEW REVISION—SHOW WHY IN 'COMMENTS'

DATE	ID N
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TITLE OF REPORT OR LISTING TRAFFIC ACCIDENTS BY PATROL BEAT - CJ008L1		
PURPOSE OR FUNCTION IT SERVES		
ORIGINATES FROM (SHOW COMPUTER RUN AND/OR MAIN FILE FROM WHICH DATA IS DEVELOPED AND SPAN OF TIME COVERED OR AGE OF DATA)		
NO. COPIES	FREQUENCY ISSUED <input type="checkbox"/> DAILY <input type="checkbox"/> WEEKLY <input type="checkbox"/> MONTHLY <input type="checkbox"/>	
DESIGN FORMAT APPROVED BY	DATE	RELEASE PERIOD

DETAILED EXPLANATION OF DATA (WHEN PRINTED CAPTIONS ARE NOT SELF EXPLANATORY)

6. CONTRIBUTING CIRCUMSTANCES.

THIS THIRD REPORT IS DESIGNED TO BE DISTRIBUTED TO THE OFFICERS RIDING EACH RESPECTIVE PATROL BEAT SUCH THAT THEY MAY BE AWARE OF THE ACCIDENT OCCURRENCES WITHIN THEIR DISTRICTS.

CONTINUE ON REVERSE SIDE

COPY DISTRIBUTION

SENT TO	RETENTION	DISPOSITION
1		
2		
3		
4		
5		
6		

COMMENTS

INDEX NUMBER
CJ008-11

WATCH 1

	SECTOR 1					SECTOR 2					SECTOR 3					SECTOR 4					SECTOR 5				
	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
CNTRL	7	4	7	3	0	8	10	3	11	0	15	7	11	2	0	6	3	6	0	0	5	1	3	5	0
SOUTH	5	8	5	7	15	8	6	2	7	6	10	7	6	10	6	3	6	2	2	7	2	3	7	3	0
N. E.	7	0	2	3	10	2	1	4	3	1	9	2	5	7	11	10	4	5	3	11	4	5	3	10	9
TOTAL	19	12	14	13	25	18	17	9	21	7	34	16	22	19	17	19	13	13	5	18	11	9	13	18	9

WATCH 2

	SECTOR 1					SECTOR 2					SECTOR 3					SECTOR 4					SECTOR 5				
	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
CNTRL	38	26	24	22	0	14	19	17	36	0	27	26	19	18	0	8	12	10	8	0	14	5	6	6	0
SOUTH	23	18	16	15	35	26	19	29	30	23	20	13	12	11	17	7	14	9	10	7	8	3	6	12	0
N. E.	4	4	6	7	18	2	1	17	6	3	22	19	26	3	19	14	13	14	11	22	10	9	19	10	36
TOTAL	65	48	46	44	53	42	39	63	72	26	69	58	57	32	36	29	39	33	29	29	32	17	31	36	36

WATCH 3

	SECTOR 1					SECTOR 2					SECTOR 3					SECTOR 4					SECTOR 5				
	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
CNTRL	21	21	15	18	0	9	13	8	32	0	28	24	8	25	0	20	8	12	8	0	16	11	18	11	0
SOUTH	20	17	13	20	38	18	16	32	26	14	16	17	10	17	27	25	9	10	16	9	6	10	10	6	1
N. E.	7	3	7	14	30	4	4	23	7	2	18	27	13	17	15	14	11	9	9	22	23	12	21	23	51
TOTAL	48	41	35	52	68	31	33	63	65	16	62	68	31	59	42	59	28	31	33	31	45	33	49	42	52

INDEX NUMBER
CJ088-12

THE BELOW LISTED ACCIDENTS OCCURRED IN YOUR DISTRICT

ACCIDENT	LOCATION	DIST. OCCUR.	DATE	DAY OF WEEK	TIME	CONTRIBUTING CIRCUMSTANCES
3	ST & S A S B BR	1111	07/09/3	MONDAY	0300 - 0400	
2401	N BROADWAY ST	1111	07/15/3	SUNDAY	0100 - 0200	
5	ST & S GRAND AV	1111	07/21/3	SATURDAY	0000 - 0100	OTHER VIOLATION **
ADMIRA	BO & S GRAND AV	1111	07/11/3	WEDNESDAY	0600 - 0700	CONTROLLED INTER-FAIL YD
3	ST & S LOCUST ST	1111	07/13/3	FRIDAY	0700 - 0800	IMPROPER TURN-RIGHT
3	ST & S OAK ST	1111	07/02/3	MONDAY	0700 - 0800	DRIVER INATTENTION
6	ST & S WYANDOTT ST	1111	07/17/3	TUESDAY	0700 - 0800	SPEED-TOO FAST FOR COND. DRIVER INATTENTION *

TOTAL ACCIDENTS THIS BEAT - 7

INDEX NUMBER
CJ088-13



PROGRAMMING DOCUMENTATION

SECTION

TRAFFIC ACCIDENT PROGRAMS

DATE ISSUED

January 16, 1973

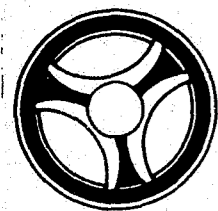
DATE REVISED

PROGRAM TITLE: MONTHLY ACCIDENTS BY TIME AND DAY

DATE OPERATIONAL: January 16, 1973

PURPOSE: To produce a one-page listing of monthly accident counts by time of day, day of week, and fatality accidents as compared to all accidents.

INDEX NUMBER
CJ010-01



I. PROGRAM NARRATIVE

Input to this program is the Monthly Traffic Accident Tape (CJ000T1) and output is a one-page listing. The input tape is read and counts of all accidents occurring during the month and fatality accidents occurring during the month are accumulated in a double subscripted table. The table is subscripted horizontally by day of the week including a total column, and vertically by hour of the day including a total line. When the entire input tape has been read the one-page listing is printed.

II. DETAILED DESCRIPTION

The input and output files are opened and a control card is accepted containing the date of the run. The subscripted table is set to zeros.

READ-IT reads the input tape and selects only Traffic Accident Information Record No. 1 and if other than that is found control is returned to the beginning of the paragraph. This paragraph also initiates a horizontal subscriptor to indicate whether or not the accident was a fatality.

CHK-TIME sets the vertical subscriptor based upon the time of day the accident occurred.

CHK-DAY completes the setting of the horizontal subscriptor based upon the day of the week in which the accident occurred.

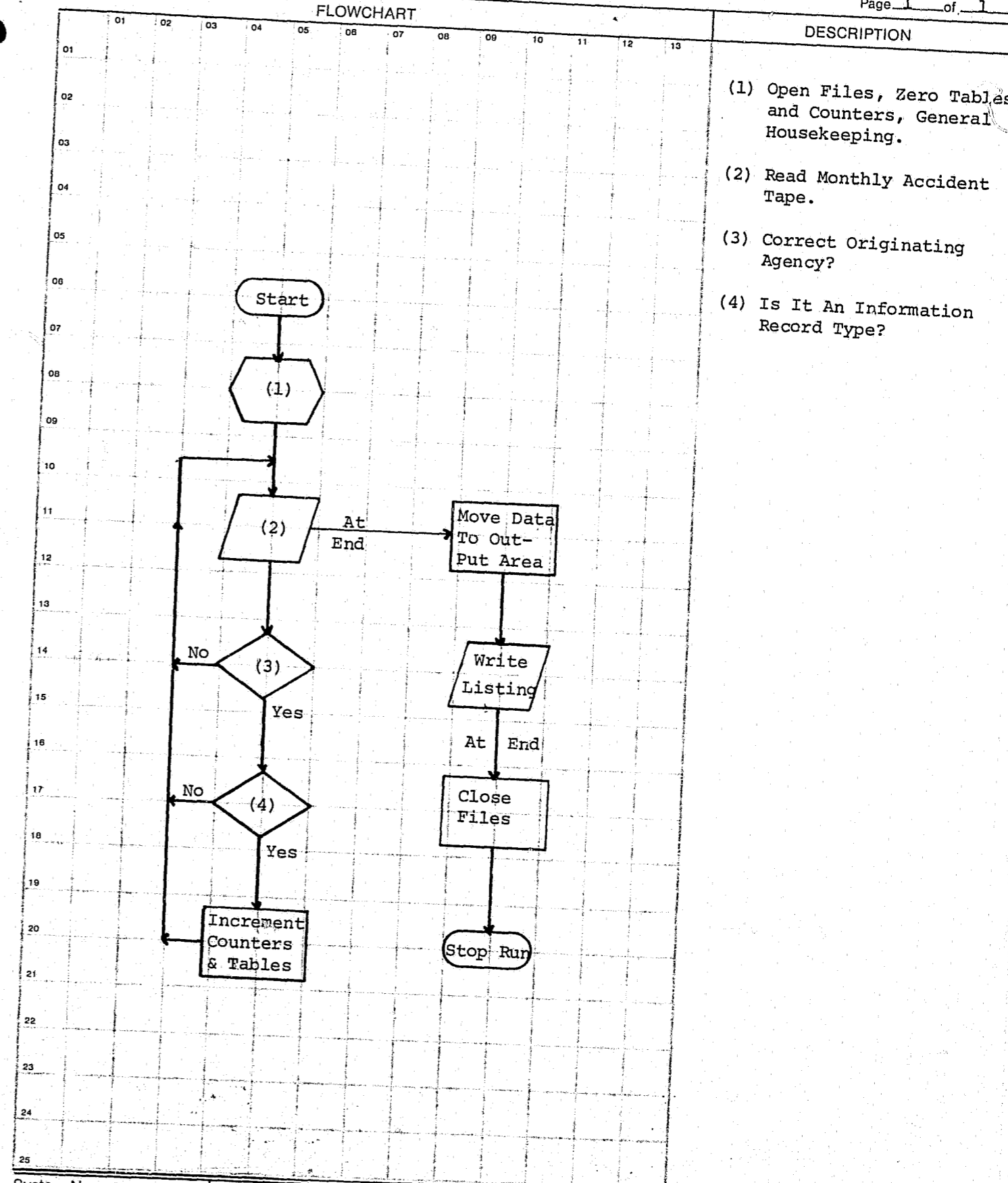
ADD-IT causes the table to be incremented based upon the previously set subscriptors. Control is then returned to the READ paragraph.

START-WRITING PLEASE. This paragraph is the one that is branched to when the entire input tape has been read. It sets the horizontal and vertical subscriptors to one, and causes the heading to be printed at the top of the one-page listing.

PLEASE is the paragraph that moves the information from the double subscripted table a line at a time to the print area.

THANK-YOU is the paragraph that writes each individual line upon the listing. A counter is checked to determine when the last line of the listing has been printed and when this occurs the total records read, the valid records used, and total records used are displayed upon the console.

CLS-FLS is the last paragraph in the program which closes the input and output files and displays a normal end-of-job message upon the console.



DESCRIPTION OF COMPUTER REPORT OR LISTING

DATE	ID N
------	------

NEW REVISION—SHOW WHY IN 'COMMENTS'

TITLE OF REPORT OR LISTING SUMMARY OF ACCIDENTS BY TIME OF DAY - DAY OF WEEK - CJ010L1	
PURPOSE OR FUNCTION IT SERVES THIS REPORT IS DESIGNED TO PROVIDE A TEMPORAL ANALYSIS OF ALL MOTOR VEHICLE ACCIDENTS OCCURRING WITHIN THE CITY BY MONTH.	
ORIGINATES FROM (SHOW COMPUTER RUN AND/OR MAIN FILE FROM WHICH DATA IS DEVELOPED AND SPAN OF TIME COVERED OR AGE OF DATA) THIS INFORMATION IS EXTRACTED FROM A MONTHLY TRAFFIC ACCIDENT TAPE - CJ000T1.	
NO. COPIES	FREQUENCY ISSUED <input type="checkbox"/> DAILY <input type="checkbox"/> WEEKLY <input checked="" type="checkbox"/> MONTHLY <input type="checkbox"/>
DESIGN FORMAT APPROVED BY	DATE RELEASE PERIOD

DETAILED EXPLANATION OF DATA (WHEN PRINTED CAPTIONS ARE NOT SELF EXPLANATORY)

CJ010L1 PROVIDES A TWO-DIMENSIONAL ARRAY HORIZONTALLY REPRESENTING EACH DAY OF THE WEEK AND A TOTAL COLUMN, EACH COLUMN BEING BROKEN INTO ALL ACCIDENTS AND FATAL ACCIDENTS. VERTICALLY, THE TIMES OF OCCURRENCE ARE REPRESENTED IN 24 ONE-HOUR INCREMENTS FOLLOWED BY A TOTAL LINE.

CONTINUE ON REVERSE SIDE

COPY DISTRIBUTION

SENT TO	RETENTION	DISPOSITION
1 ORIGINATING AGENCY (3)		
2 FILE (1)		
3		
4		
5		
6		
COMMENTS		

INDEX NUMBER
CJ010

TIME OF DAY - DAY OF WEEK
JANUARY 1972

TIME HOUR BEGINNING	TOTAL ACCIDENTS		MONDAY		TUESDAY		WEDNESDAY		THURSDAY		FRIDAY		SATURDAY		SUNDAY		NOT STATED	
	ALL	FATAL	ALL	FATAL	ALL	FATAL	ALL	FATAL	ALL	FATAL	ALL	FATAL	ALL	FATAL	ALL	FATAL	ALL	FATAL
0. MIDNIGHT	98	0	6	0	3	0	5	0	16	0	13	0	31	0	23	0	1	0
1. 1:00	83	2	1	0	2	0	6	0	6	0	6	0	33	2	28	0	0	0
2. 2:00	27	0	2	0	1	0	1	0	0	0	2	0	14	0	6	0	0	0
3. 3:00	26	0	1	0	1	0	0	0	2	0	4	0	9	0	8	0	0	0
4. 4:00	7	0	1	0	0	0	0	0	0	0	1	0	2	0	2	0	0	0
5. 5:00	12	0	2	0	4	0	3	0	2	0	2	0	4	0	2	0	0	0
6. 6:00	38	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. 7:00	139	0	27	0	20	0	17	0	13	0	6	0	4	0	2	0	0	0
8. 8:00	141	0	22	0	17	0	16	0	33	0	37	0	3	0	0	0	0	0
9. 9:00	92	0	20	0	9	0	6	0	31	0	36	0	9	0	1	0	0	0
10. 10:00	121	0	32	0	13	0	10	0	23	0	15	0	11	0	8	0	0	0
11. 11:00	134	0	31	0	12	0	8	0	16	0	25	0	18	0	7	0	0	0
12. NOON	153	0	29	0	21	0	17	0	21	0	31	0	24	0	10	0	0	0
13. 1:00	169	0	41	0	19	0	22	0	18	0	25	0	18	0	7	0	0	0
14. 2:00	154	0	35	0	12	0	16	0	21	0	26	0	29	0	11	0	0	0
15. 3:00	208	1	46	0	24	0	34	0	22	1	31	0	28	0	18	0	0	0
16. 4:00	258	0	68	0	30	0	33	0	27	1	32	1	29	0	9	0	0	0
17. 5:00	202	0	39	0	21	0	24	0	41	0	28	0	18	0	17	0	0	0
18. 6:00	139	0	28	0	9	0	17	0	36	0	48	0	18	0	20	0	0	0
19. 7:00	97	0	15	0	8	0	5	0	18	0	29	0	30	0	13	0	0	0
20. 8:00	75	1	10	0	6	0	7	0	18	0	25	0	21	0	5	0	0	0
21. 9:00	72	0	7	0	4	0	9	0	8	0	16	0	19	0	9	0	0	0
22. 10:00	66	1	8	0	3	0	5	0	14	0	19	0	15	0	4	0	0	0
23. 11:00	59	0	6	0	1	0	2	0	2	0	18	0	21	0	9	0	0	0
24. NOT STATED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTALS	2570	7	486	0	246	0	268	0	388	2	500	1	444	4	237	0	1	0

INDEX NUMBER
CJ010-05

END