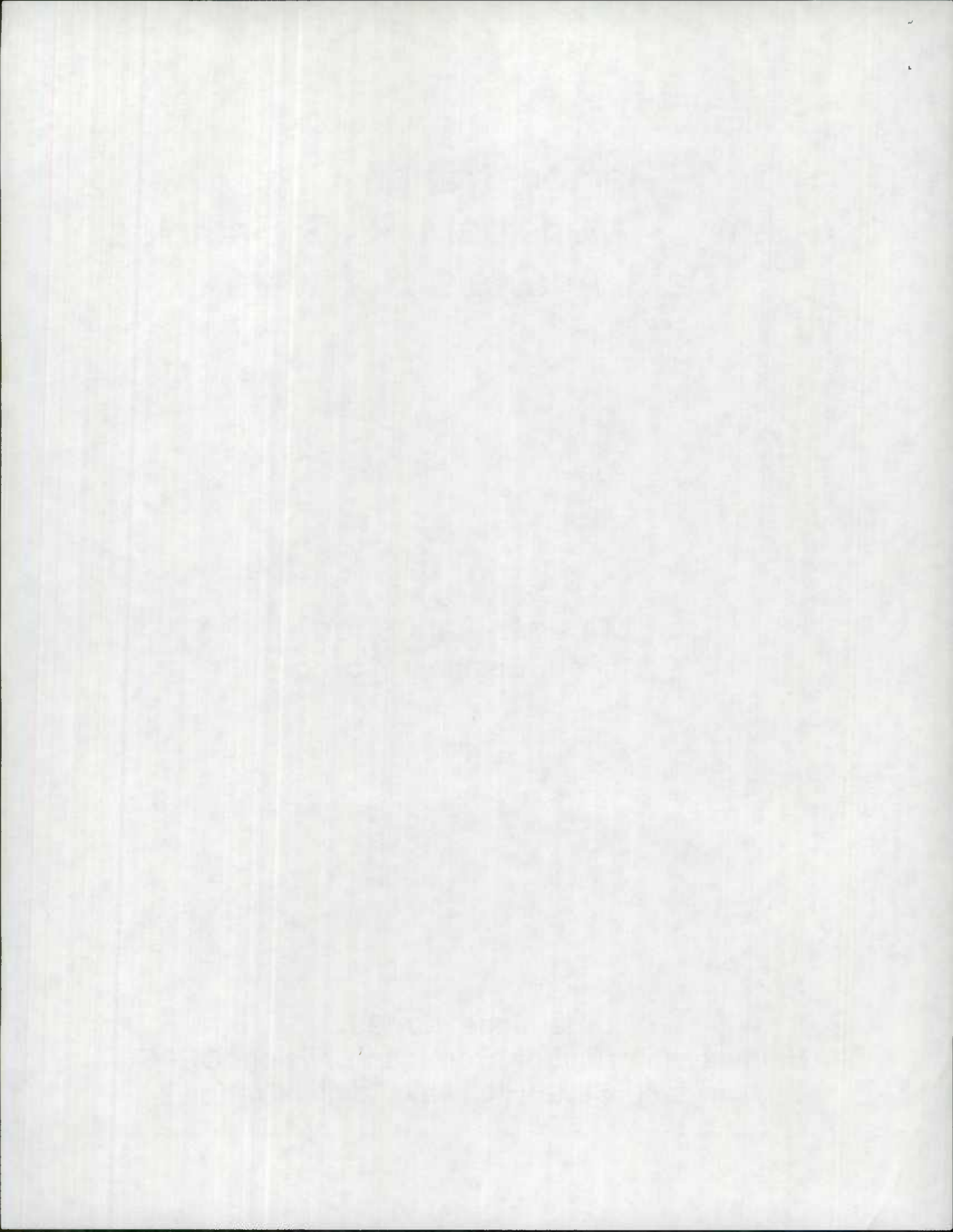


Demonstration On County / Municipal HPMS Samples Data Analysis Software

Presented By
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Student Engineer Co-op

Date: June 16, 1992
Highway Information Services Division, OPPE
Maryland State Highway Administration



HPMS DATA SOFTWARE

1. HPMS DATA INPUT/EDIT
2. HPMS DATA PRINT
0. QUIT

Enter Your Option (1 / 2 / 0): 1

Command

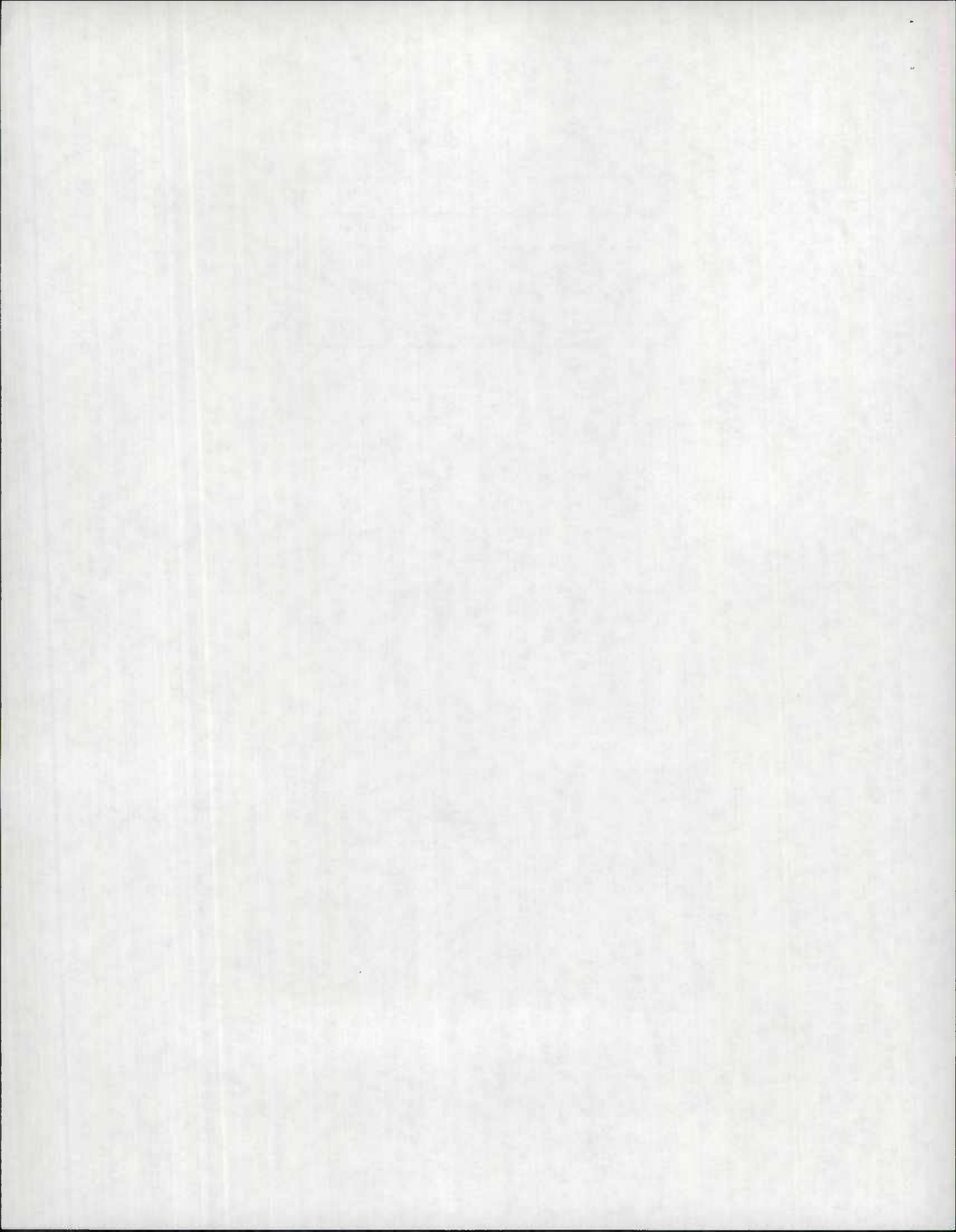
||<B:>||

||

||

||Num

Enter a dBASE III PLUS command.



COUNTY_NO: 12
SAMPLE_NO: 25

HPMS DATA
Route No: MU 0420 076

START MILE PT: 0.29
END MILE PT: 0.40

Horizontal Data				Vertical Data			
Crve Class	Nos.	Curves	Curve Length	Grad%	Nos.	Grade	Grad.length
0.0 - 0.4		1	0.05	0.0 - 0.4	1		0.05
0.5 - 1.4		0	0.00	0.5 - 2.4	0		0.00
1.5 - 2.4		0	0.00	2.5 - 4.4	0		0.00
2.5 - 3.4		0	0.00	4.5 - 6.4	0		0.00
3.5 - 4.4		0	0.00	6.5 - 8.4	0		0.00
4.5 - 5.4		0	0.00	8.5+	0		0.00
5.5 - 6.9		0	0.00				
7.0 - 8.4		0	0.00				
8.5 - 10.9		0	0.00				
11.0 - 13.9		0	0.00				
14.0 - 19.4		0	0.00				
19.5 - 27.9		0	0.00				
28+		0	0.00				

Do you want to continue for the next section record (y/n)?

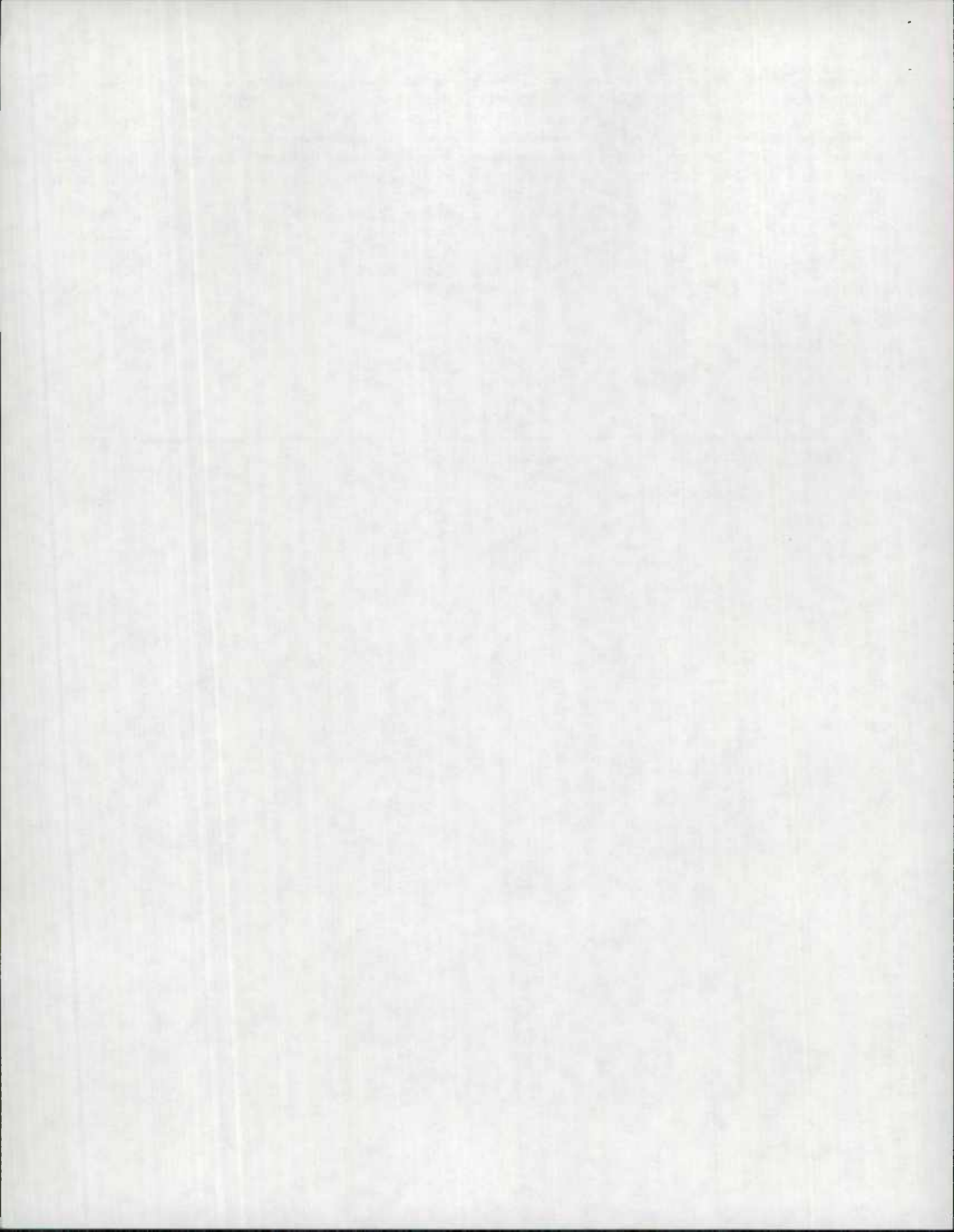
Command

|| <B:> || DATA_HPM

|| Rec: 71/71

||

|| Num



SAMPLE DATA

COUNTY_NO: 16
ROUTE_NO: CO 1234 12
SAMPLE_NO: 99
ST_MILE_PT: 1.00
ED_MILE_PT: 1.2

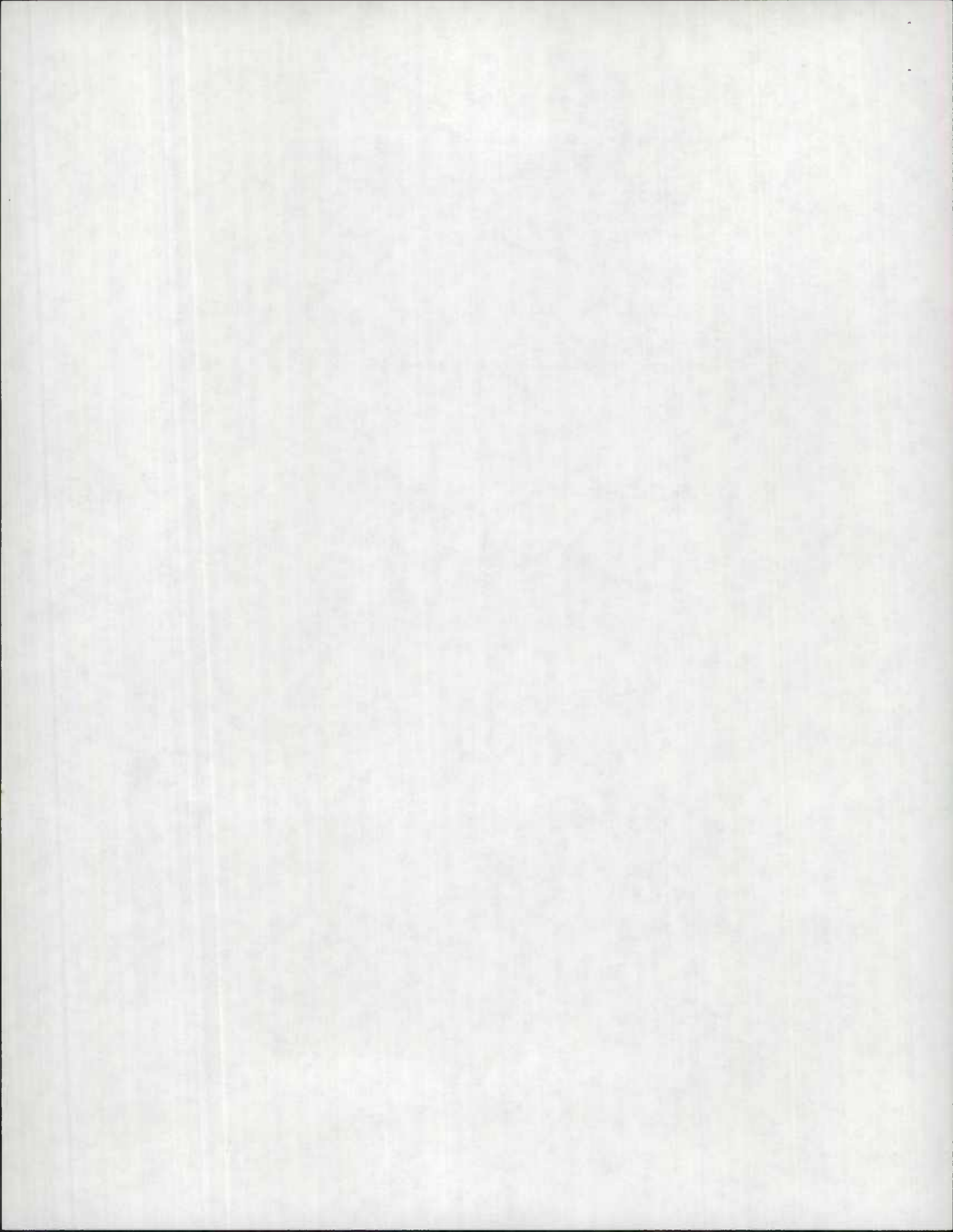
EDIT

||<B:>||DATA_HPM

||Rec: 72/72

||

||Num



Survey Data			
County Code: 16		Starting Mile Point: 1.00	
Sample No: 99			
Route No: CO 1234	12	Ending Mile Point: 1.20	
Starting Point:	0	Ending Point:	276
Chord Length: 100.00		Central Ord. length:	0.00

APPEND

||<B:>||CURVFILE

||Rec: 1/1

||

||Num

Survey Data			
County Code: 16		Starting Mile Point: 1.00	
Sample No: 99			
Route No: CO 1234	12	Ending Mile Point: 1.20	
Starting Point:	276	Ending Point:	546
Chord Length: 99.80		Central Ord. length:	1.8

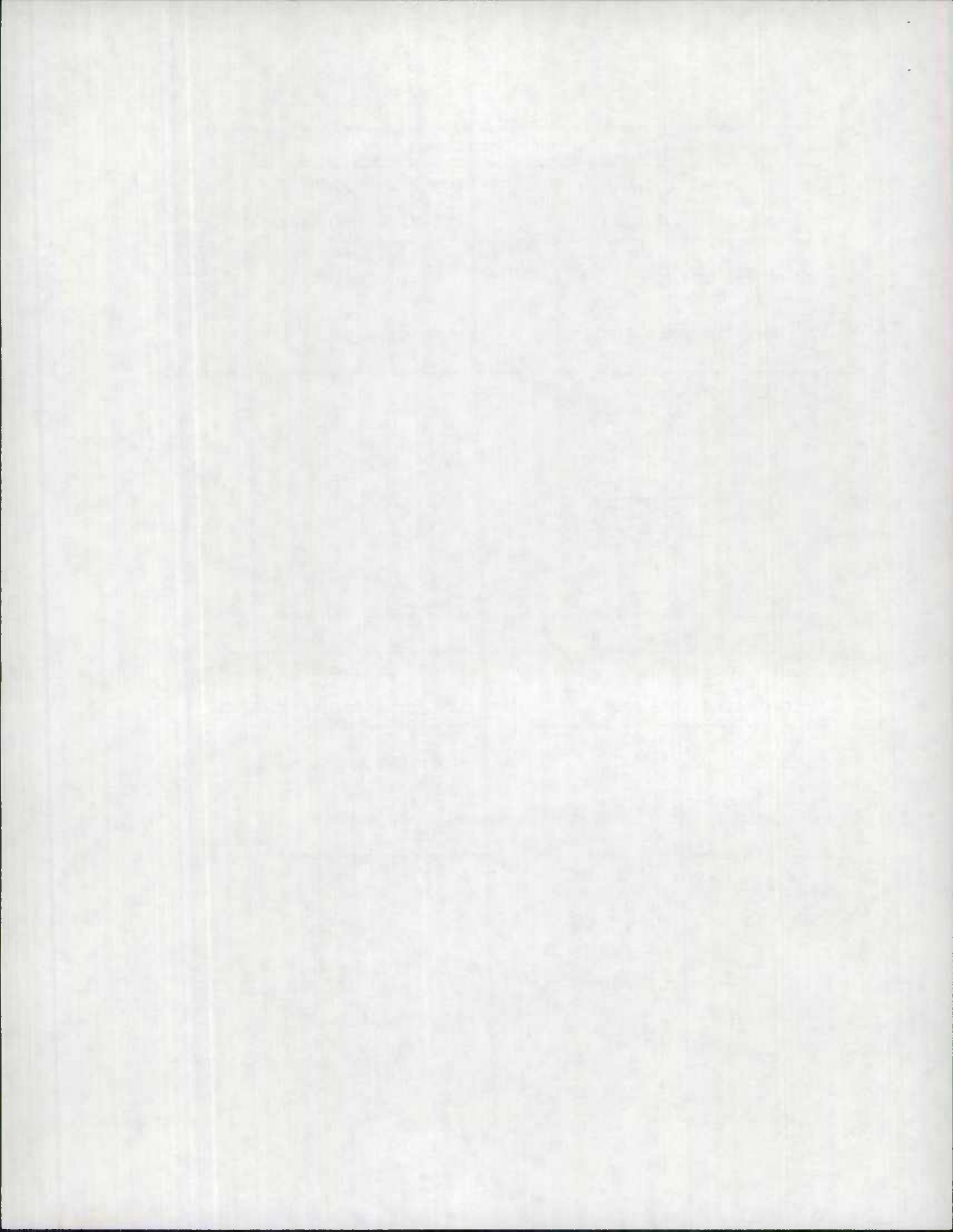
APPEND

||<B:>||CURVFILE

||Rec: EOF/1

||

||Num



SURVEY DATA
Vertical Grade

COUNTY No: 16 ST_MILE_Pt: 1.00
SAMPLE No: 99 ED_MILE_PT: 1.20
ROUTE No: CO 1234 12

START FT. POINT: 0
END FT. POINT: 276
PERCENT OF GRADE: 2.00 %

APPEND

||<B:>||GRADFILE

||Rec: 1/1

||

||Num

SURVEY DATA
Vertical Grade

COUNTY No: 16 ST_MILE_Pt: 1.00
SAMPLE No: 99 ED_MILE_PT: 1.20
ROUTE No: CO 1234 12

START FT. POINT: 276
END FT. POINT: 546
PERCENT OF GRADE: 0.00 %

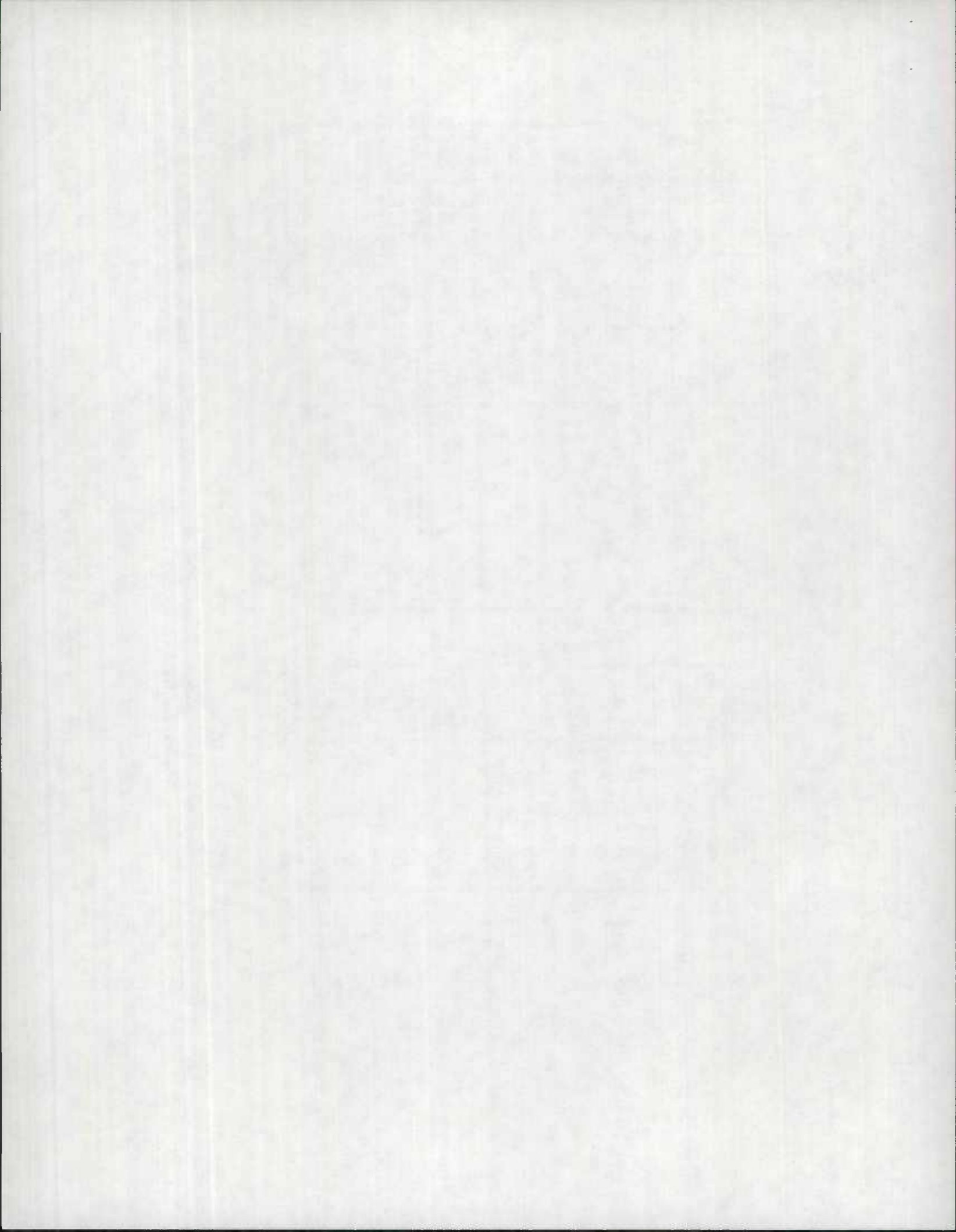
APPEND

||<B:>||GRADFILE

||Rec: 2/2

||

||Num



COUNTY_NO: 16
SAMPLE_NO: 99

HPMS DATA
Route No: CO 1234 12

START MILE PT: 1.00
END MILE PT: 1.20

Horizontal Data			Vertical Data		
Curve Class	Nos. Curves	Curve Length	Grad%	Nos. Grade	Grad.length
0.0 - 0.4	1	0.05	0.0 - 0.4	1	0.05
0.5 - 1.4	0	0.00	0.5 - 2.4	1	0.05
1.5 - 2.4	0	0.00	2.5 - 4.4	0	0.00
2.5 - 3.4	0	0.00	4.5 - 6.4	0	0.00
3.5 - 4.4	0	0.00	6.5 - 8.4	0	0.00
4.5 - 5.4	0	0.00	8.5+	0	0.00
5.5 - 6.9	0	0.00			
7.0 - 8.4	1	0.05			
8.5 - 10.9	0	0.00			
11.0 - 13.9	0	0.00			
14.0 - 19.4	0	0.00			
19.5 - 27.9	0	0.00			
28+	0	0.00			

Do you want to continue for the next section record (y/n)?

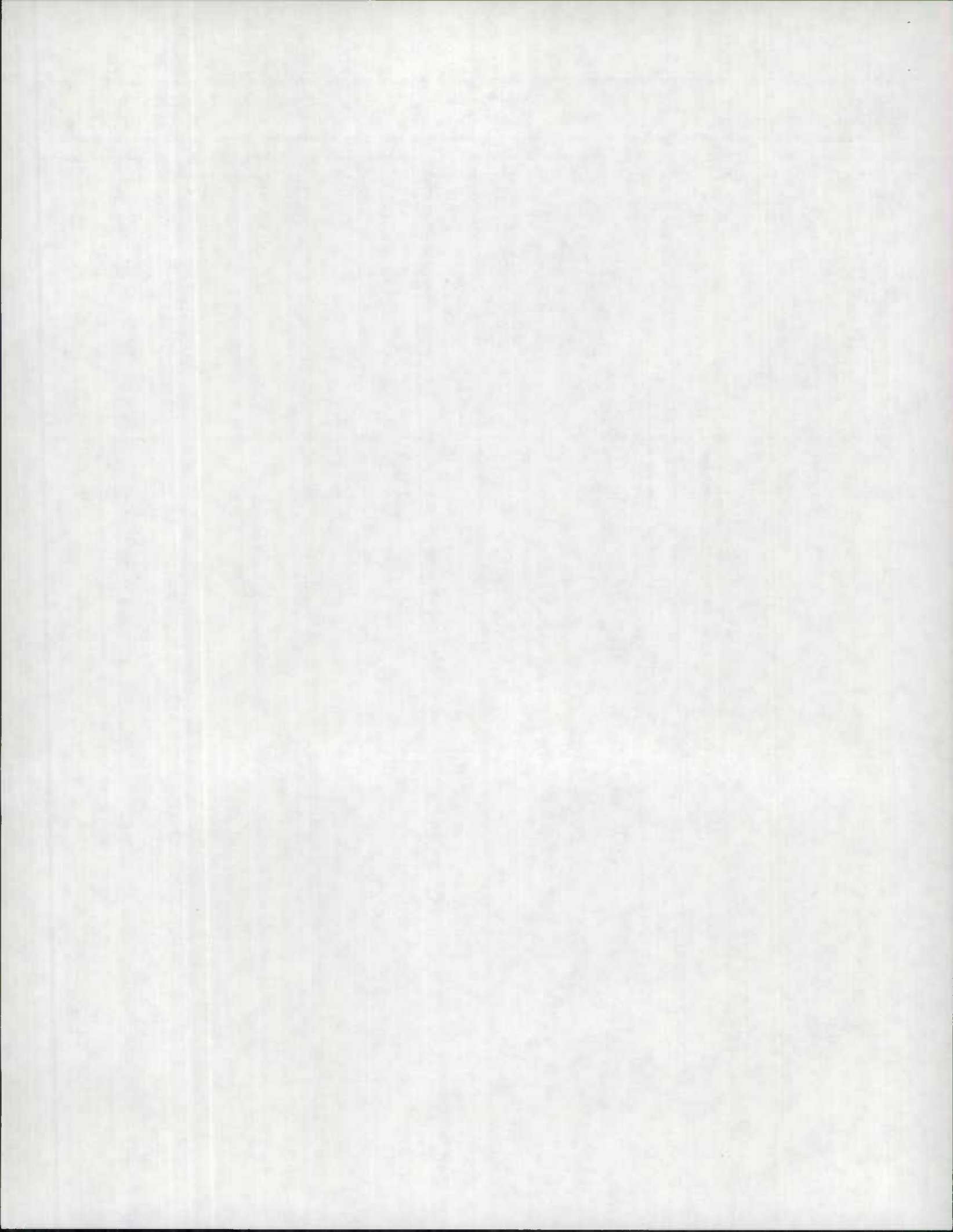
Command

|| <B:> || DATA_HPM

|| Rec: 73/73

||

|| Num



Please wait

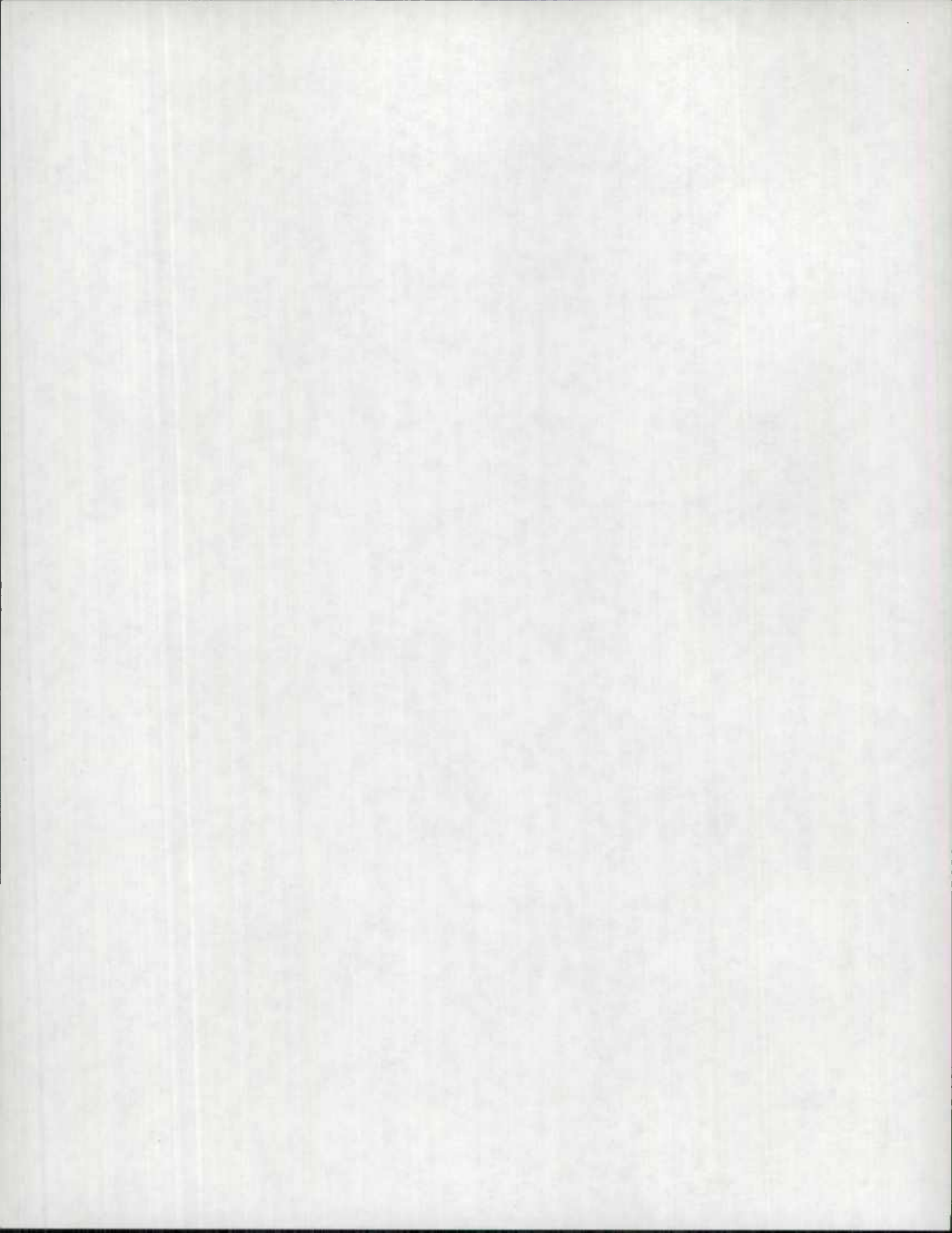
Command

||<B:>||DATA_HPM

||Rec: 1/73

||

||Num



HPMS DATA SOFTWARE

1. HPMS DATA INPUT/EDIT
2. HPMS DATA PRINT
0. QUIT

Enter Your Option (1 / 2 / 0): 2

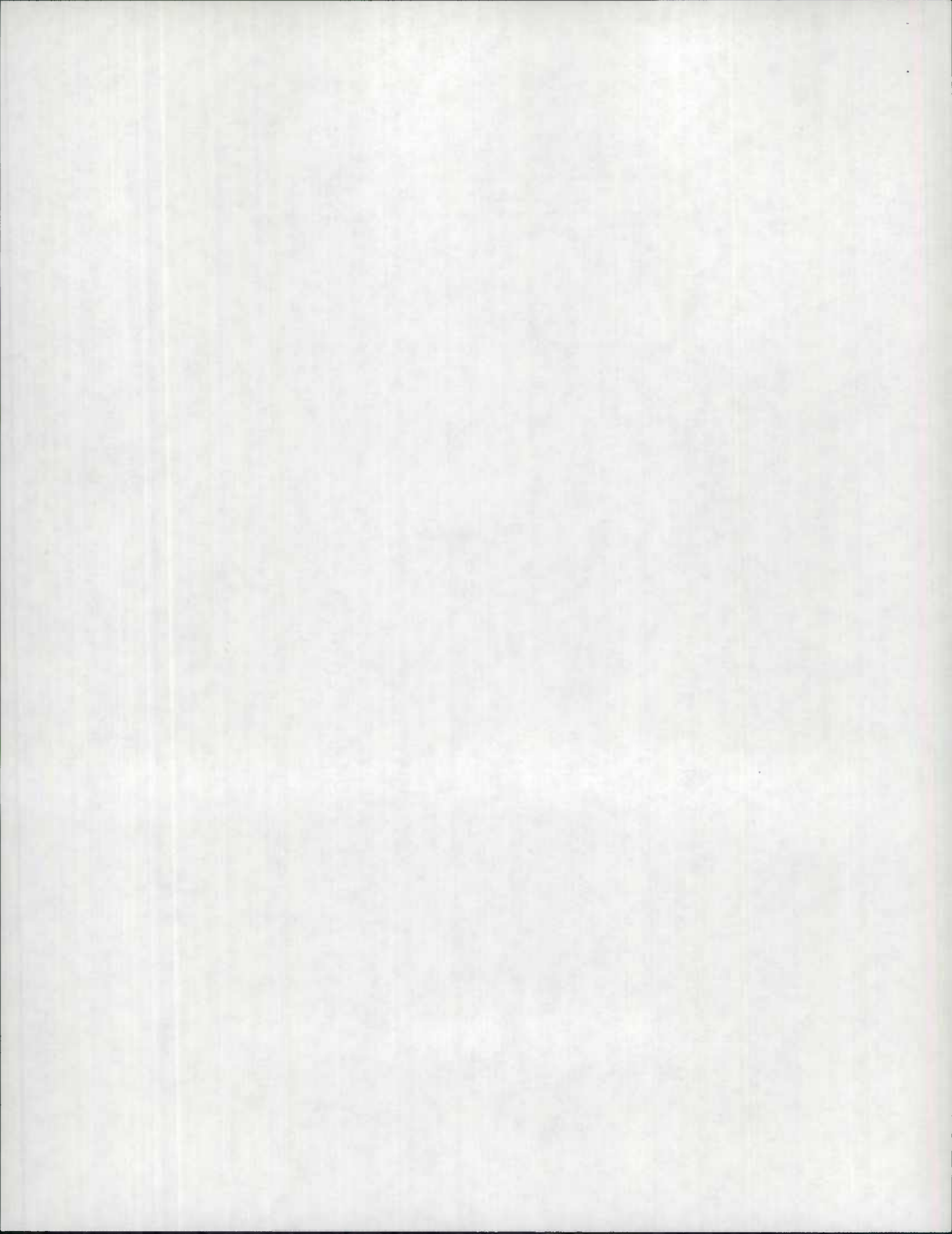
Command

||<B:>||

||

||

||Num



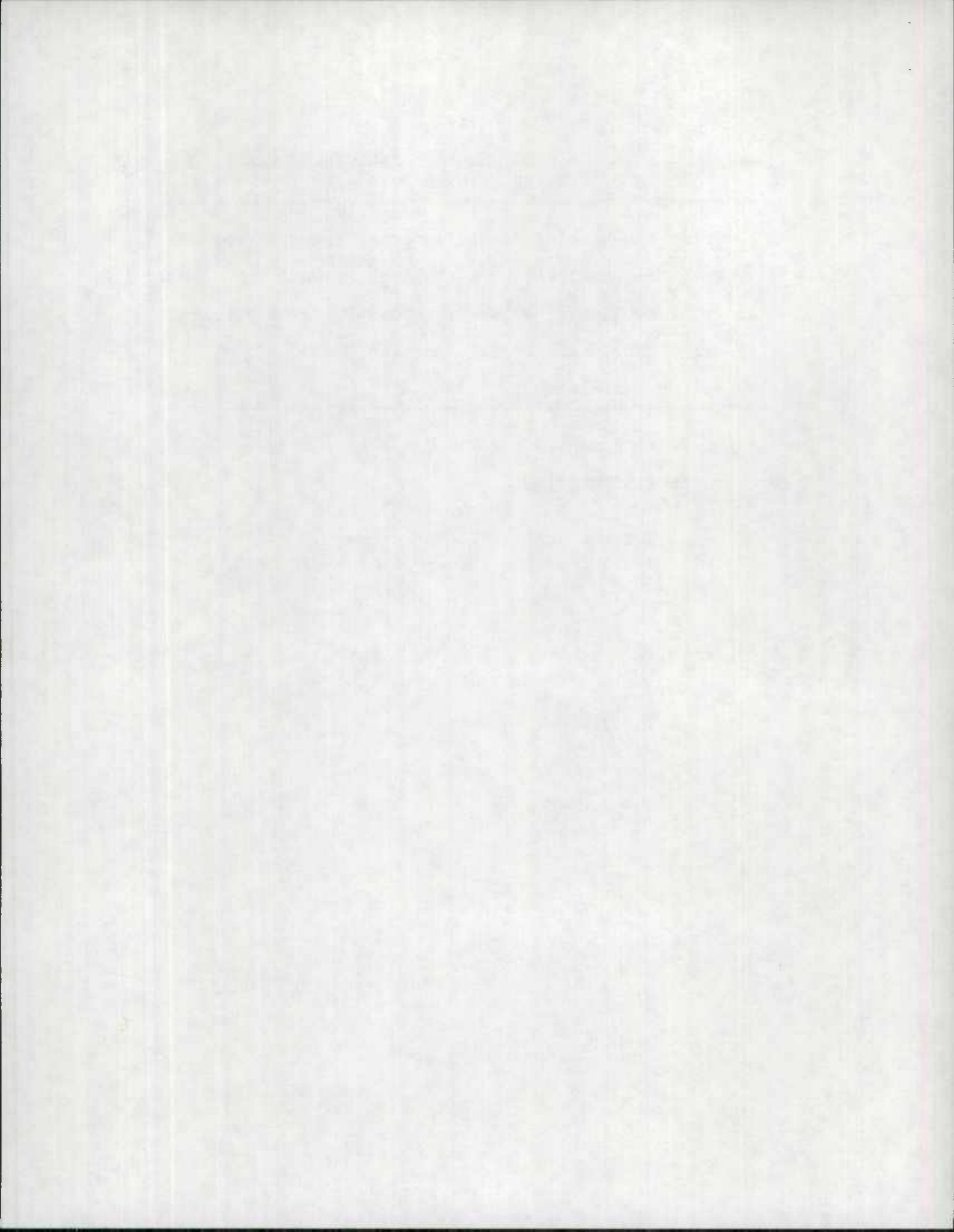
PRINT MENU

1. Print The Data of Specific County (Records Format)
2. Print All Counties Data (Records Format)
3. Print ASCII Data of Specific County (HPMS Format)
4. Print ASCII Data of All Counties
0. Exit to Main Menu

Enter Your Option (1 / 2 / 3 / 4 / 0): 1

Command Enter the County Number: 16 ||<B:>||DATA_HPM ||Rec: 1/73 || ||Num

Enter a dBASE III PLUS command.



HPMS - MUNICIPAL / COUNTY ROADS DATA

County No: 16
 Sample No: 99

Route No: CO 1234 12

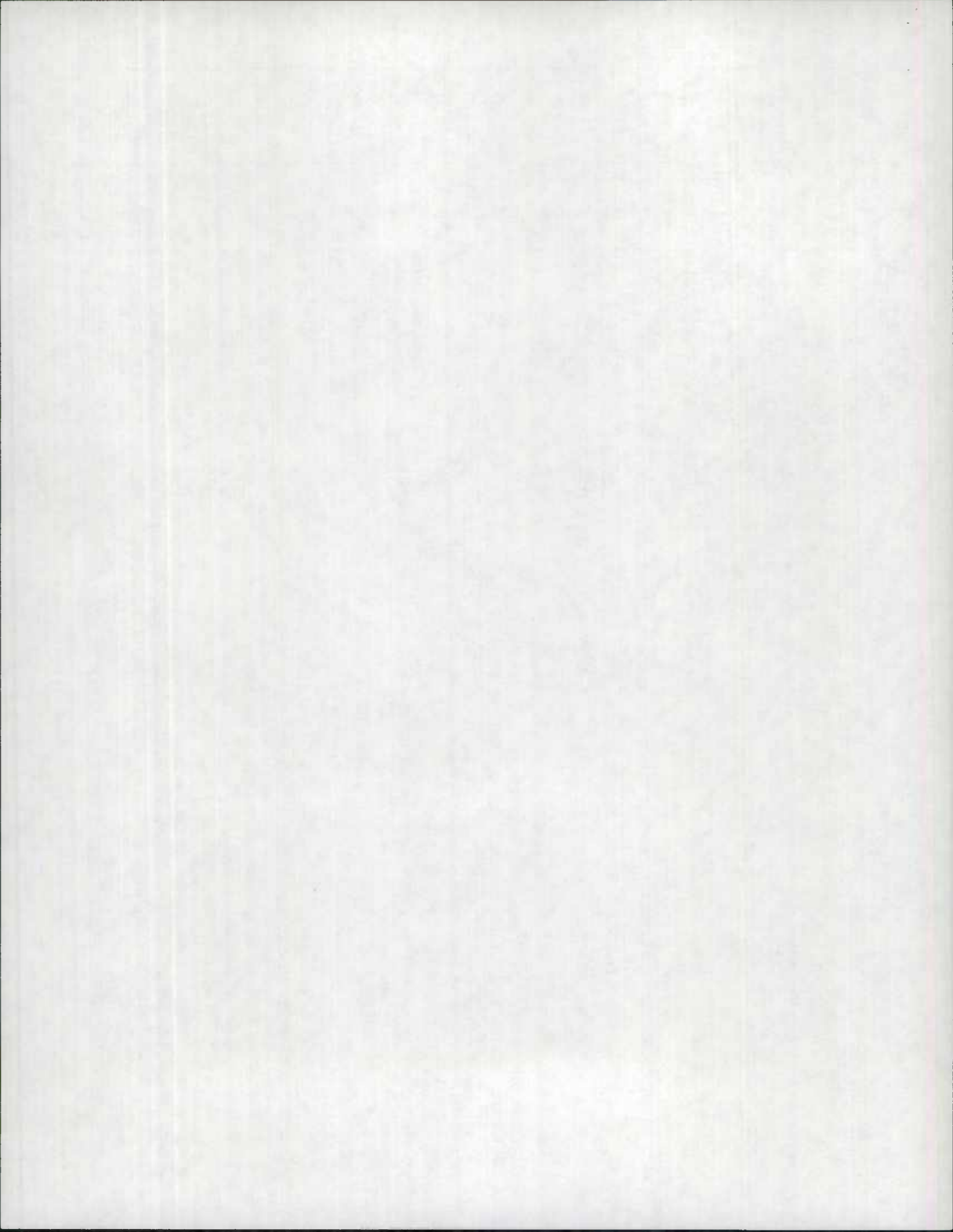
Starting Mile Pt: 1.00
 Ending Mile Pt: 1.20

Horizontal Data

Vertical Data

Curve Class in Degrees	No of Curves	Curve Length in X.XX miles	Gradient %	No of Grades	Grad.Length in X.XX miles
0.0 - 0.4	1	0.05	0.0 - 0.4	1	0.05
0.5 - 1.4	0	0.00	0.5 - 2.4	1	0.05
1.5 - 2.4	0	0.00	2.5 - 4.4	0	0.00
2.5 - 3.4	0	0.00	4.5 - 6.4	0	0.00
3.5 - 4.4	0	0.00	6.5 - 8.4	0	0.00
4.5 - 5.4	0	0.00	8.5+	0	0.00
5.5 - 6.9	0	0.00			
7.0 - 8.4	1	0.05			
8.5 - 10.9	0	0.00			
11.0 - 13.9	0	0.00			
14.0 - 19.4	0	0.00			
19.5 - 27.9	0	0.00			
28+	0	0.00			

T



Printer Work Completed...

Press any key to continue

Command

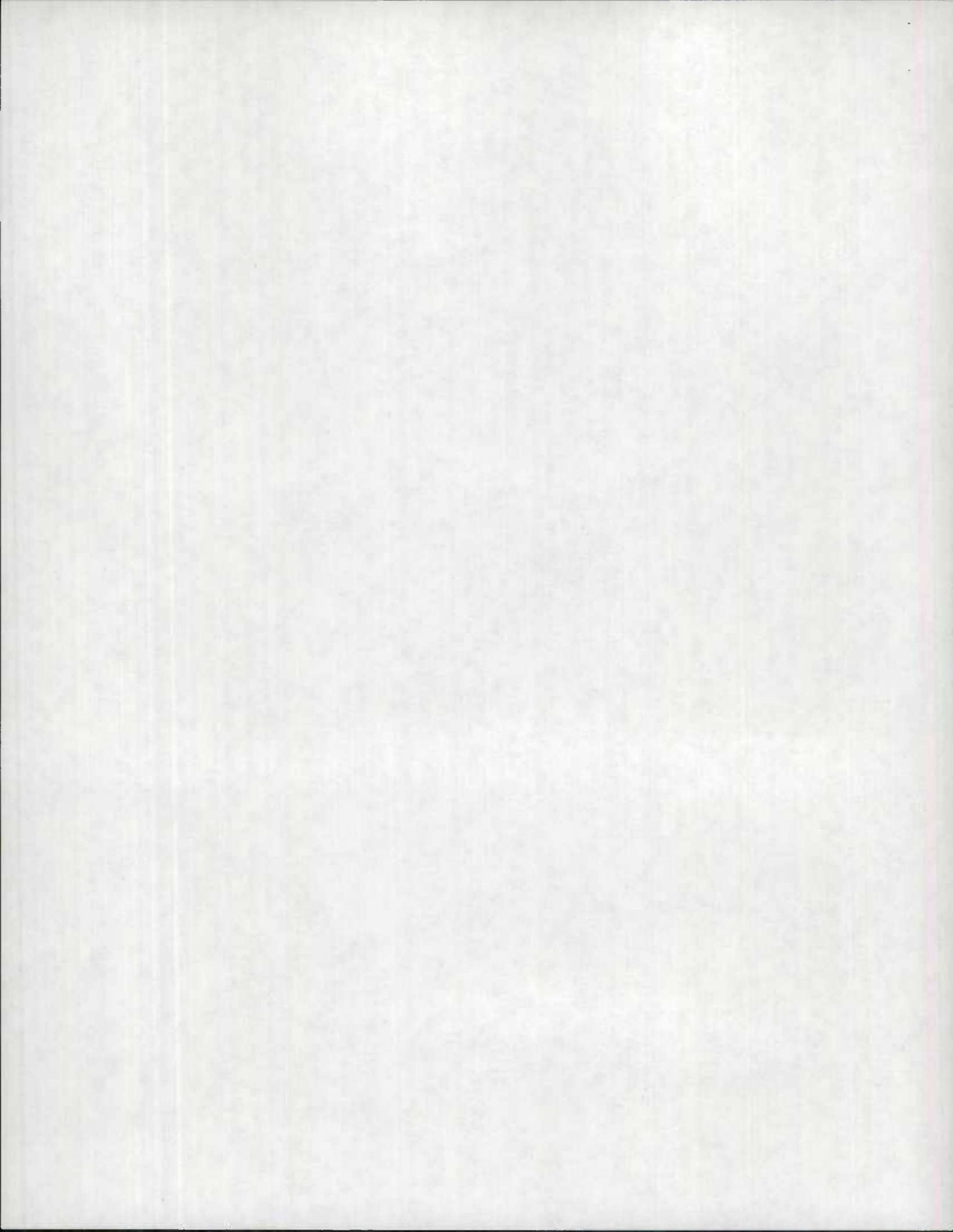
||<B:>||PRNTFILE

||Rec: EOF/2

||

||Num

Enter a dBASE III PLUS command.



PRINT MENU

1. Print The Data of Specific County (Records Format)
2. Print All Counties Data (Records Format)
3. Print ASCII Data of Specific County (HPMS Format)
4. Print ASCII Data of All Counties
0. Exit to Main Menu

Enter Your Option (1 / 2 / 3 / 4 / 0): 3

Enter the County Number: 16

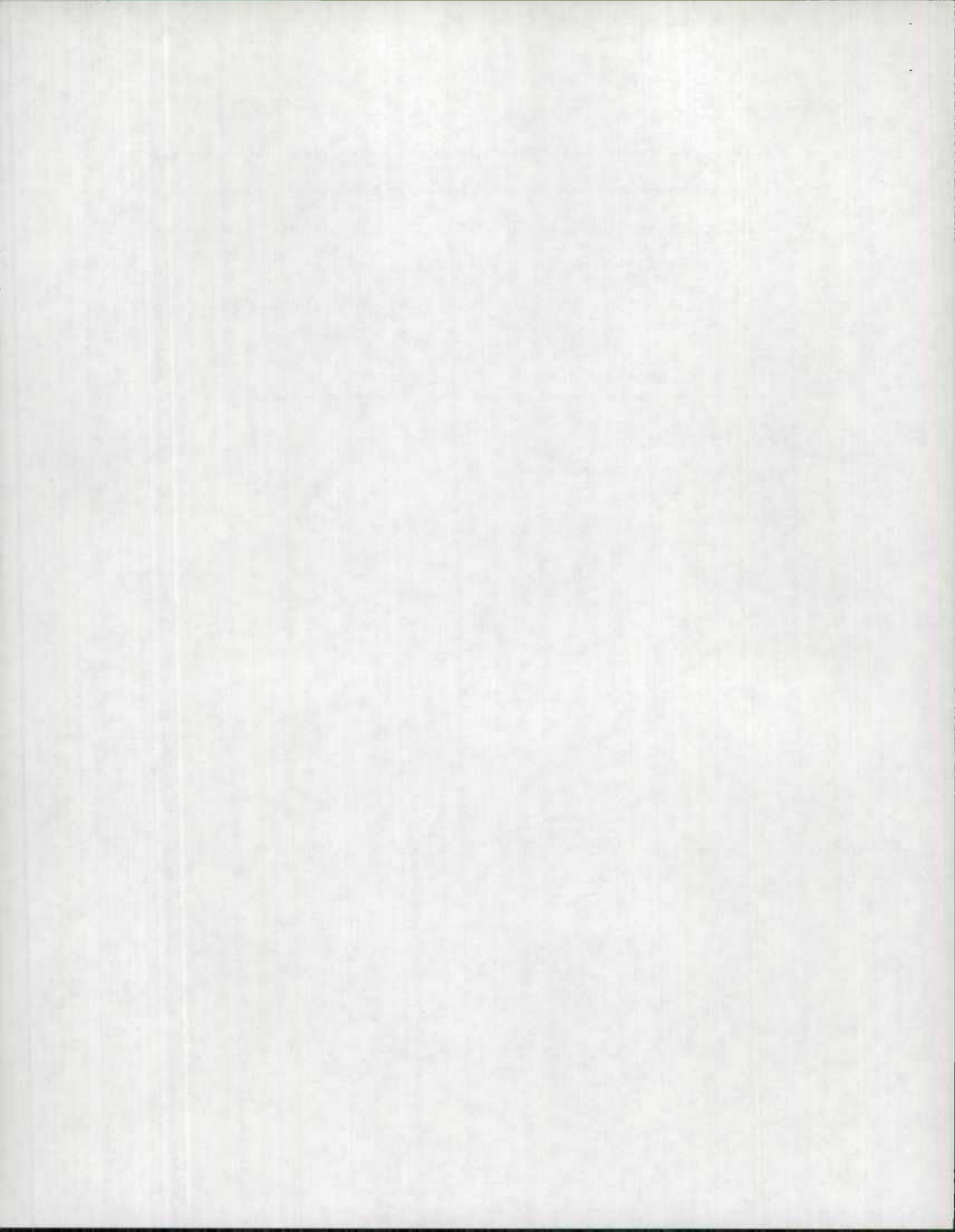
Command

|| <B:>||DATA_HPM

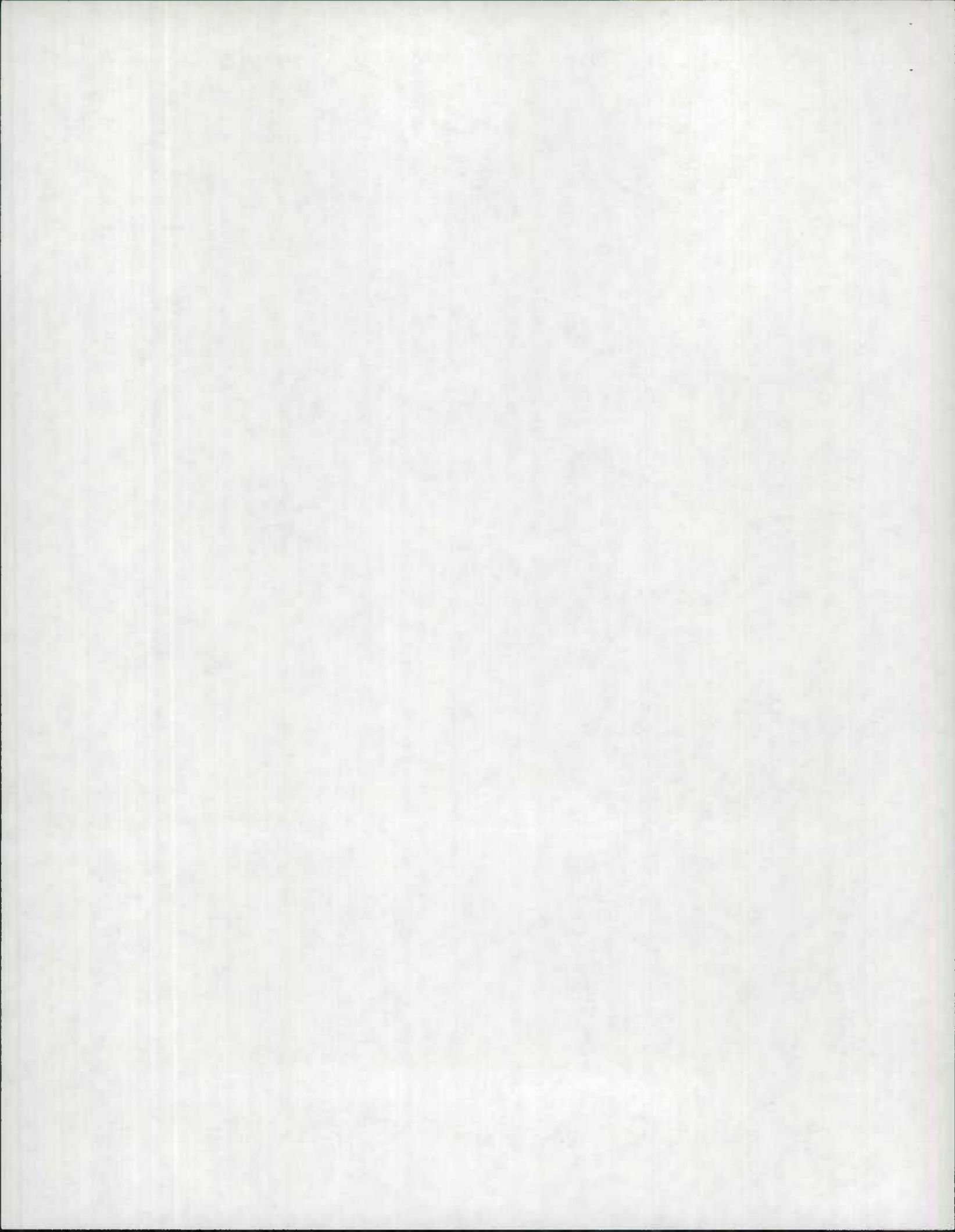
||Rec: 1/72

||Ins ||

Enter a dBASE III PLUS command.



16CO12 1234 991.001.20 10.05 00.00 00.00 00.00 00.00 00.00 00.00 10.05 00.00



PRINT MENU

1. Print The Data of Specific County (Records Format)
2. Print All Counties Data (Records Format)
3. Print ASCII Data of Specific County (HPMS Format)
4. Print ASCII Data of All Counties
0. Exit to Main Menu

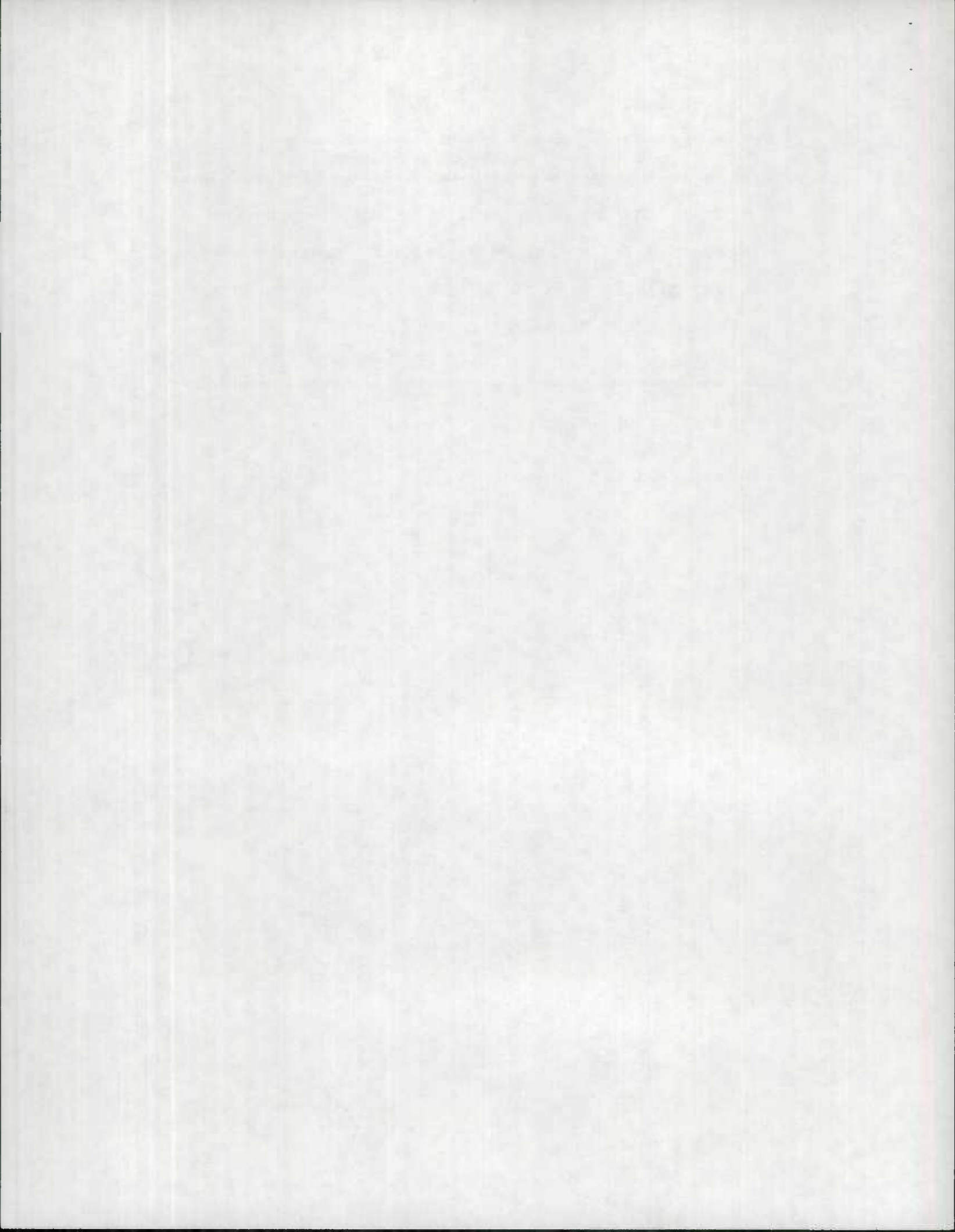
Enter Your Option (1 / 2 / 3 / 4 / 0): 0

Command

|| <B:>||DATA_HPM

||Rec: 1/72

||Ins ||



HPMS DATA SOFTWARE

1. HPMS DATA INPUT/EDIT
2. HPMS DATA PRINT
0. QUIT

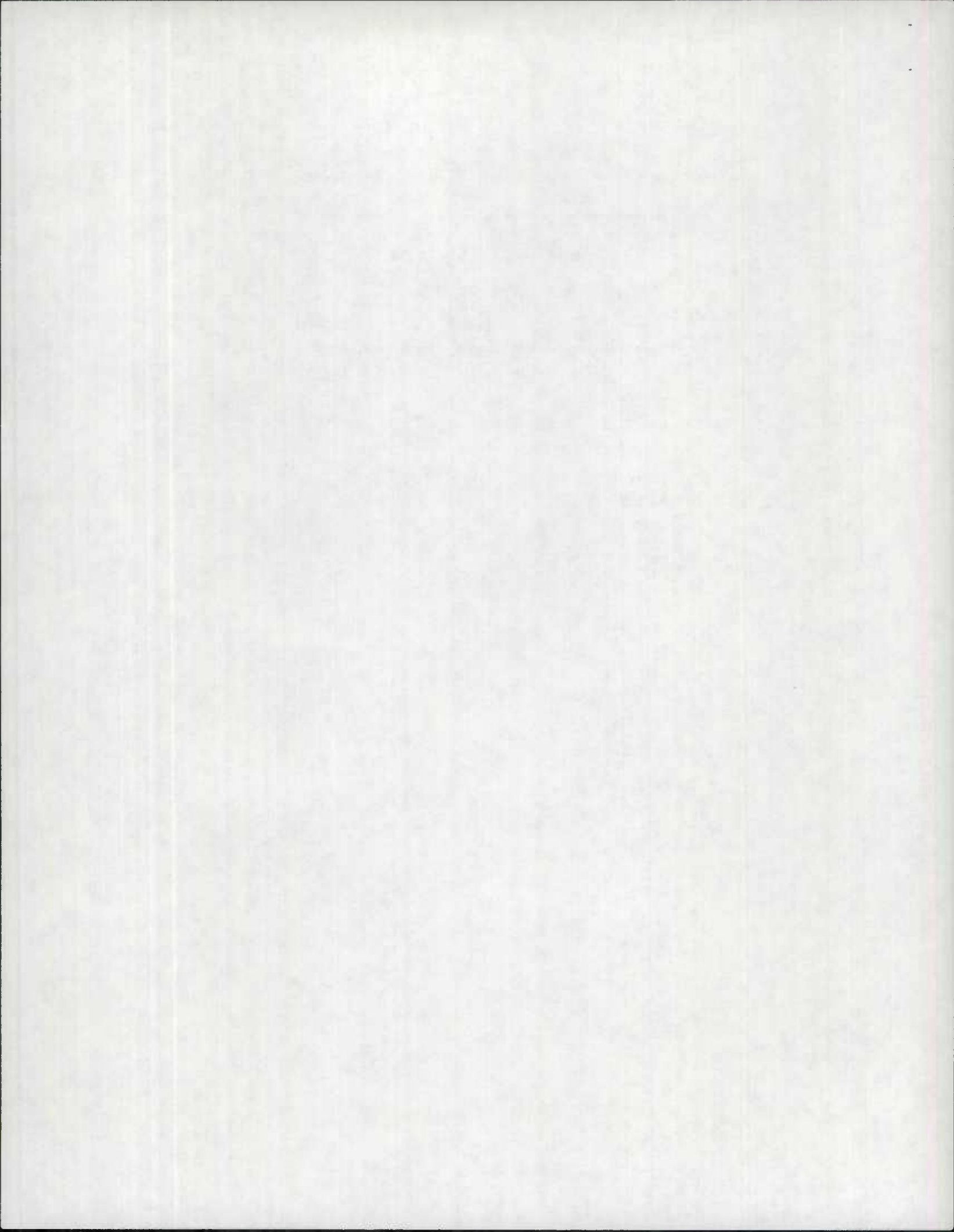
Enter Your Option (1 / 2 / 0): 0

Command

||<B:>||DATA_HPM

||Rec: 1/72

||Ins ||



HPMS County/Municipal Roads Data Software

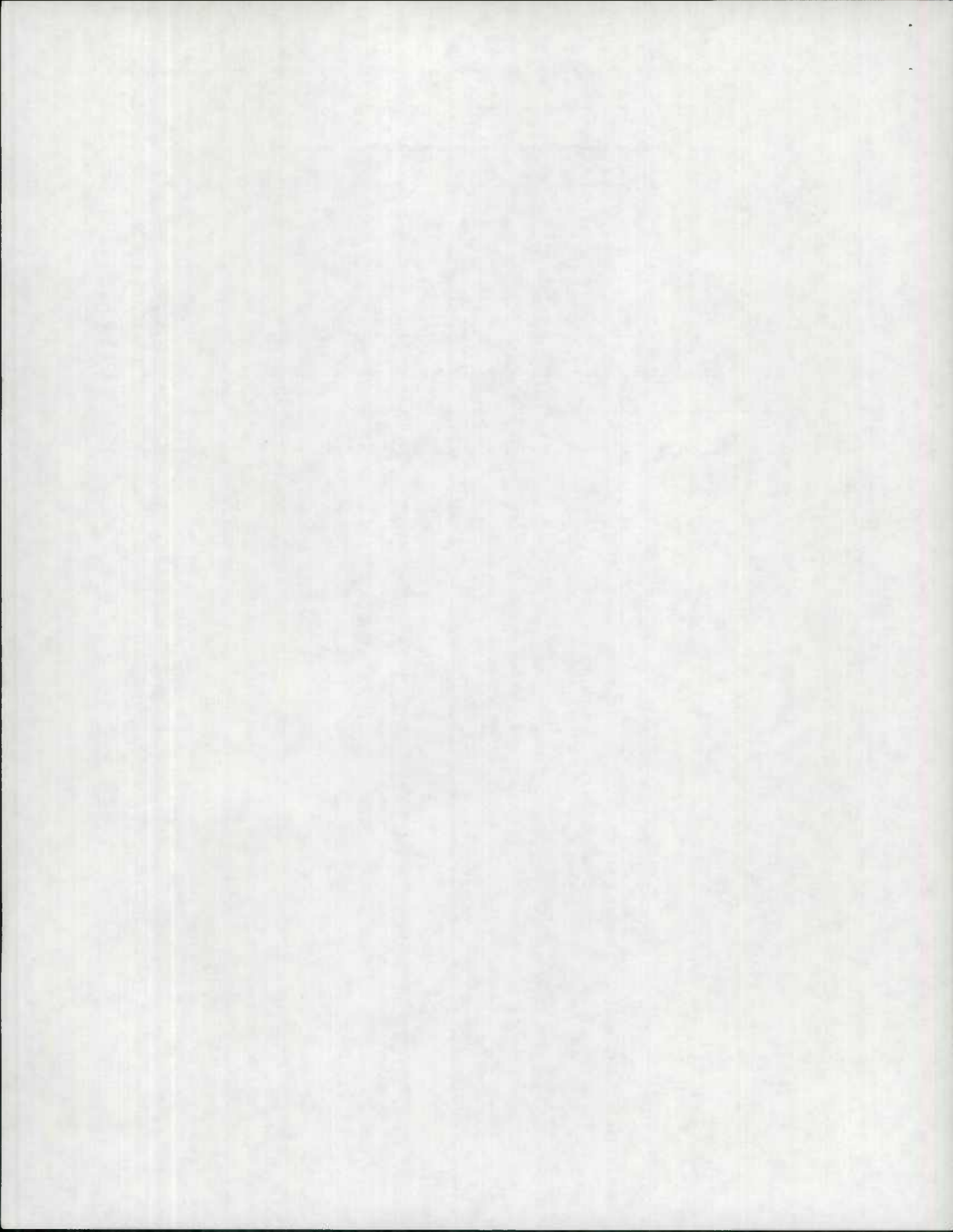
Good Bye!

Max M. Ganeshan

Highway Information Services Division - SHA

Command Line ||<B:>|| || || ||Num

Enter a dBASE III PLUS command.



County / Municipal HPMS Samples Data Analysis Software

- Advantageous

- ✓ Menu Driven Manner (User Friendly)
- ✓ Relational Data Management
- ✓ Electronic Data Interchange
- ✓ Reduced Work Time(Data Collection and Input)
- ✓ Data available in both Records and HPMS Format

- Future Directions

- ✓ Preparing Manual for the Complete Procedure
- ✓ Graphical Representation for Further Analyses
(Design and Safety Analysis)
- ✓ On-time help for the user

