

DR 72-9 Input-Output Study (#701
Grant) 1971

ACTION

COMMITTEE _____ DATE _____

M.A.P.C. Report _____
Accepted 9.28.72

B.C.C./B. CO. C. _____

ASSOCIATED MATERIAL IN DR 72-10

BOEING COMPUTER SERVICES, INC.

3801 SOUTH OLIVER, WICHITA, KANSAS 67210

June 5, 1973

Mr. Louis B. Earle
Sedgwick County Assessor
County Court House
Wichita, Kansas 67203



Dear Mr. Earle:

RFAL ESTATE STATUS REPORT

BCS is in the process of checking the BOE changes submitted by the Assessor's Office to a listing furnished by the Clerk's Office. This check of the input data is being made before the next update of the Real Estate Master, as that master data will be used to create the Real Estate Abstract and Reconcilements.

On May 16th, a meeting was held in the Assessor's Office for the purpose of discussing data elements that need adding or changing in the Real Estate files. Attached is a copy of the data elements discussed and decisions reached as to lengths and changes. These data elements will be added to the original data element listing and published for review by the Assessor's Office and MAPD, and another meeting will be held before BCS starts making these changes to the files.

Mrs. Nancy Moore and Mr. LaVerne W. Roark of BCS attended the Society of Real Estate Appraisers Workshop in Michigan May 29th and 30th, on the use of Multiple Regression Analysis in appraising real estate.

The workshop was very educational and the attendance was from all categories of appraising -- County Assessors, City Assessors, Loan Company Appraisers, Real Estate Company Appraisers, Professional Appraisers, etc. Since the attendees were from all phases of appraising, the questions asked the instructors and their answers, were very informative.

Mr. Harold A. Jungbluth, Chairman of the National Committee of Appraisers, also chairman of the workshop, gave us (BCS) a personal welcome and special attention. He said they were happy to see that other than appraisers were interested in the use of MRA in appraising.

Mr. Louis B. Earle
Page -2

Attached is the first -ontract Progress Report for the 1973 contract.

Sincerely yours,

LaVerne W. Roark

Attachment

cc: Walt Kenney
Bill Stockwell ✓
Lee Morrison
Bill Earnest
C. Robison
C. Coe
R. Terzian
B. Parish
L. Wolf

May 18, 1973

MODIFICATION AND EXPANSION OF REAL ESTATE MASTER

I. EXISTING DATA ELEMENT CHANGES

A. Sale Price Data

1. Expand amount field to six positions. This allows for up to 99 million, 999 thousand and 9 hundred dollars. Less than a hundred dollars will not be shown.
2. Expand month and year fields to two positions each.

NOTE: The one position codes in the present masters will be converted to their respective month and years, also a list of all records with CARD in the amount field will be made. This designates those records that had a sale price of one million or more.

B. Section, Township and Range Data

1. This data is to be expanded to reflect the following breakdown for identifying the location of each parcel.
 - a. Range - two positions
 - b. Township - two positions
 - c. Section - two positions
 - d. 1/4 Sec. - one position
 - e. 40 acres - one position
 - f. 10 acres - one position

C. Expand the following fields from four to six positions

1. Additional dollars
2. Other features dollars
3. Plumbing dollars

D. Assessment Roll Exception Code - Expand this field from one position to two positions for additional codes.

E. Plumbing Codes

1. Expand all plumbing code fields to three positions.
2. Add fields for half baths, three-quarter baths and showers.
3. Remove present field for water closets, sinks and urinals.

F. Number of Bedroom - Expand this field from one position to three positions.

G. Block Code - Add a two position suffix code to the present three position block code.

H. City/Township Keynumber Code

Expand this field from two positions to five positions. This allows for the submitting of the codes as reflected on the Speedex Records. Three positions township code and two positions city code.

- I. Building Description - Reduce this field from 15 to 12 positions. These three positions are needed on the transaction this data is submitted on, for the three positions added in Item H above.

II. DATA ELEMENTS TO BE ADDED

- A. BOE Year - Add a two position field to reflect the year of the BOE review.

B. Dime Data

1. Add a six position record code
2. Add a five position street code

- C. Fireplace Code - Add a one position code for recording the number of fireplaces.

- D. Fence Code - Add a one position code to record type of fence -- wood, masonry, wire, etc.

- E. Basement Square Feet - Add a five position code for recording square feet of finished basement.

- F. Assessment Roll and Tax Roll Sort Sequence Number - Add a 15 position field for a sort sequence number that will help in sorting those bad key numbers that can not be changed, a little closer to their proper place on the Assessment and Tax Rolls.

- G. Room for Additional Data - Add 50 positions of blanks in the root segment of the master for future data. Also, allow for adding lower level segments to the master with a minimum of effort.

H. Assessment Roll and Tax Roll Addition Header Data

1. Add a second level segment for recording the descriptive Addition Data that is printed on the Assessment and Tax Rolls.

III. LEGAL DATA

- A. Convert this data from 59 positions recorded to 35 positions. This data is needed in 35 position lengths for printing on the Tax Roll, Assessment Roll and Tax Statements. Mark IV does not allow for the manipulation of data as required for this process. Consequently, this can not be accomplished during the report formatting of the data for each of these reports.

- B. The Legal Data once converted to 35 positions will be added as a second level record(s) to the Real Estate Master file. This will not limit the present process that use this data, but should enhance the total system by freeing up one input file.

BOEING COMPUTER SERVICES

Contract Progress Report

Contract Title REAL ESTATEReporting Date May 21 1973

ITEM	CONTRACT ESTIMATED		VOLUME OF RECORDS IN PROCESS			VALUE OF WORK DONE			PERCENT COMPLETE
	VOLUME	RATE	CURRENT	PREVIOUS	TOTAL	CURRENT	PREVIOUS	TOTAL	
ITEM I Expansion & Modification		\$3,000.00				\$500.00	- 0 -	\$500.00	27
ITEM II Special Taxes Dev.		12,000.00							
ITEM III Assessment Change Notice Development		2,500.00							
ITEM IV Input Transactions: Maintenance Data Special Taxes	175,000 70,000	.06 .06	8230 - 0 -	- 0 - - 0 -	8230 - 0 -	493.80	- 0 -	493.80	05
ITEM V A. Master Update B. Assessment Change Notice Process	560,000 20,000	.035 .10	- 0 - - 0 -	- 0 - - 0 -	- 0 - - 0 -				
CONTRACT TOTALS						\$993.80	- 0 -	\$993.80	

Comments

Project No. M040 & M041Contract No. DRA0294A.

WICHITA-SEDGWICK COUNTY

DATE
October 26, 1972

METROPOLITAN AREA PLANNING DEPARTMENT

TO Willard L. Stockwell, Chief Planner, Advance Plans Division
FROM Bob Hawbaker, Junior Planner, Advance Plans Division
SUBJECT Publication of Input-Output Study

The final report for the input-output study by Dr. Weed is in the form of six xerox copies. Several institutions, such as the Chamber of Commerce, SCREDD, KDED, etc., will probably be interested in copies of the report. I suggest that about 75 copies of the report be printed by the City Duplicating Shop for limited distribution. Seventy-five copies of the report would cost no more than \$100.00, and would have to be paid for by the general fund (non-federal).

The printed report would include the following sections:

1. Methodology
2. Sector Classification
3. Secondary Sources and Data
4. Classification of Firms
5. Revision of the Matrix
6. Future uses of the Input-Output Tool
7. Explanation of the I/O Matrix
8. The Matrix

COPY

CRH:j1

WICHITA-SEDGWICK COUNTY
METROPOLITAN AREA PLANNING DEPARTMENT

AGENDA

SEPTEMBER 28, 1972

The regular meeting of the Wichita-Sedgwick County Metropolitan Area Planning Commission will be held on Thursday, September 28, 1972, at 1:30 p.m. in Room 401 City Building Annex, 104 South Main, Wichita, Kansas. The following items will be considered:

1. Invocation by Rev. Ray Weibe, Pastor, Open Bible Mennonite Brethern Church, 2540 South Meridian 67217.

2. A-95-74 - Model Cities Fourth Action Year by CDA. (Summary of the program and memorandum are enclosed to the Planning Commissioners.)

3. DR 72-9 - Presentation of Input-Output Study data developed during the 1971-1972 Economic Analysis component of the #701 Grant. Representatives of WSU will be present to report on work done under the contract.

4. V-0609 - Schraft Corporation requests vacation of a drainage easement legally described as the south 49.5 feet of the south 499.5 feet of the east 1974.03 feet of the NW 1/4 of Section 7, Township 28 South, Range 1 East of the 6th P.M. Generally located adjacent to the south side of 35th Street South in an area east of Meridian.
SUBDIVISION COMMITTEE RECOMMENDATION - September 21, 1972:
The Committee recommends approval, subject to:
 - A. Prior to the Planning Commission hearing of the vacation request, the applicant shall contact the City Engineer regarding additional right-of-way which may need to be dedicated for the south half of 35th Street South.
 - B. Any relocation or reconstruction of utilities necessitated by this vacation being at the sole expense of the applicant.
 - C. All proceedings being without cost to the City, County or any utility company.-----
5. S/D 71-88 - Final Plat of HOPPER ADDITION, generally located on the north side of U.S. 54 Highway approximately 1/2 mile west of 199th Street West.

September 22, 1972

Wichita-Sedgwick County Metropolitan Area Planning Commission
Willard L. Stockwell, Chief Planner, Advance Plans Division

DR 72-9 Input-Output Study

The Sedgwick County Input-Output Study, conducted as a part of the 1971 #701 Comprehensive Planning Grant has recently been completed. A final report is now being prepared, and copies will be mailed to the Commissioners when available. Portions of the preliminary draft were presented to the Commissioners at the regular meeting of August 10, 1972.

A presentation of the study will be made to the Planning Commission at the September 28 meeting. The presentation will be made by Mr. Bob Hawbaker of the MAPD staff, and Dr. Norman Weed of the Center for Business and Economic Research at Wichita State University, who served as consultant to the project.

The presentation will consist of a discussion of the original objectives of the study, the research methodology, and the uses of the study as an analytical and forecasting tool. Mr. Hawbaker and Dr. Weed will answer questions about the study for the Commission.

WLS:CRH:jl



WICHITA STATE UNIVERSITY

WICHITA, KANSAS 67208
PHONE 316/685-9161

DEPARTMENT OF ECONOMICS
COLLEGE OF BUSINESS ADMINISTRATION

Center for Business and Economic Research

May 10, 1972

Mr. Robert A. Lakin
Director of Planning
Metropolitan Area Planning Department
104 South Main Street
Wichita, KS 67202

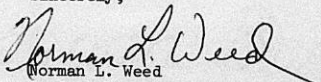
Subject: Progress report for the month of April, 1972

Dear Mr. Lakin:

Enclosed is the monthly progress report for April, 1972, as per section 3-C-4 of the contract.

Copies of the report for designated members of your staff have been sent directly to them under separate cover.

Sincerely,


Norman L. Weed
Project Director

NLW:mb

Enc.

cc Willard L. Stockwell
Bob Hawbaker
Lawrence Mitchell
Ray Denton



MONTHLY PROGRESS REPORT

TO: Wichita-Sedgwick County Metropolitan Planning Commission

FROM: Center for Business and Economic Research, Wichita State University

SUBJECT: Monthly Progress Report as required under Section 3-C-4 of the
Contract for Personal Services, Comprehensive Planning Assistance
Project

MONTH: April, 1972

A copy of the sector breakdown and coverage included in each sector is herewith enclosed. The explanatory material may be revised slightly in the future depending upon respondents' ability to draw clear distinctions as to the various categories. Questionnaires for firms are keyed to this breakdown.

AGRICULTURE

1. Grain Crops

Includes establishments primarily engaged in the production of grains such as barley, corn, oats, soybeans, and wheat.

2. Dairy and Poultry Products

Includes establishments primarily engaged in the production of cow's milk and other dairy products and establishments engaged in the production of broiler chickens. Also includes establishments engaged in the production of poultry and poultry products except broiler chickens.

3. Livestock

Includes establishments primarily engaged in the production of beef cattle, hogs, and other livestock and livestock products not elsewhere classified.

4. Other Agriculture Products and Services

Includes establishments engaged in the production of various miscellaneous farm products not elsewhere classified and establishments performing agricultural, animal husbandry, and horticultural services on a fee or contract basis.

MINING

5. Crude Petroleum and Natural Gas & Oil and Gas Field Services

Includes establishments primarily engaged in operating oil and gas field properties and those establishments engaged in drilling wells for oil or gas for others on a contract, fee, or other basis.

6. Nonmetallic Mineral Mining Excluding Fuels

Includes mining of stone, sand, gravel, and clays.

7. Other Mining

Includes mining of coal and minerals not previously classified.

CONSTRUCTION

8. Maintenance and Repair

Includes expenditures by firms for maintenance and repairs services on capital assets. These include painting, rewiring, etc.

CONSTRUCTION (continued)

9. Building Construction - General Contractors

General contractors primarily engaged in construction of residential, farm, industrial, public, and other buildings.

10. Heavy Construction Other Than Building Construction

Includes general contractors engaged in the construction of highways and streets, bridges, sewers, railroads, etc.

11. Special Trade Contractors

Includes contractors who undertake specialized activities such as plumbing, painting, plastering, carpentry, etc.

MANUFACTURING

12. Meat Products

Includes establishments such as processing, preparing, and packing meat products.

13. Dairy Products

This group includes establishments primarily engaged in processing milk and cream. Manufacturing creamery butter, natural cheese, ice cream and frozen desserts, etc.

14. Other Food and Kindred Products

Includes establishments producing or processing beverage products, bakery products, etc.

15. Grain Mill Products

Includes establishments primarily engaged in processing flour, cereal, feeds, etc.

16. Apparel and Related Products

This major group, known as the cutting-up and needle trades, includes establishments producing clothing and fabricating products by cutting and sewing purchased woven or knit textile fabrics and related materials.

17. Lumber and Wood Products Except Furniture

This group includes various types of millwork plants and establishments engaged in manufacturing finished articles made entirely or mainly of wood or wood substitutes.

MANUFACTURING (continued)

18. Furniture and Fixtures

Includes establishments engaged in manufacturing household, office, public building and restaurant furniture, and office and store fixtures.

19. Paper and Allied Products & Printing & Publishing

Includes establishments manufacturing pulp from wood and other cellulose fibers, the manufacture of paper and paper products such as bags, boxes, envelopes, etc. This group also includes establishments engaged in printing by one or more of the common processes and establishments which perform services for the printing trade such as type setting, etc., and establishments engaged in publishing newspapers, books, etc.

20. Industrial Inorganic and Organic Chemicals

Includes establishments primarily engaged in manufacturing inorganic pigments.

21. Other Chemicals & Chemical Products

Includes establishments engaged in manufacturing fertilizers, agricultural pesticides, and other agricultural chemicals; and also includes those establishments manufacturing unfinished plastics, drugs, cleaning preparations, perfumes, paints, explosives, glue, ink, etc.

22. Petroleum Refining and Related Industries

This group includes establishments primarily engaged in petroleum refining, manufacturing paving and roofing materials, and compounding lubricating oils and greases from purchased materials.

23. Rubber & Miscellaneous Plastic Products

Includes establishments primarily engaged in producing tires and tubes, rubber footwear, other fabricated rubber products, and miscellaneous finished plastic products.

24. Concrete, Gypsum and Plaster Products

Includes establishments primarily engaged in manufacturing concrete products, except block and brick, from a combination of cement and aggregate.

MANUFACTURING (continued)

25. Other Stone Clay and Glass Products

Includes establishments primarily engaged in producing glass and glass products, brick, pottery, asbestos products, etc.

26. Primary Metal Industries

Includes establishments primarily engaged in the smelting of ferrous and nonferrous metals and establishments engaged in the manufacture of casting, forgings, and other basic metal products.

27. Fabricated Metal Products

Includes establishments primarily producing metal sash and doors, boiler plate fabrication, sheet metal work, and other fabricated structural metal products.

28. Other Fabricated Metal Products

Includes establishments primarily engaged in producing metal cans, cutlery, hand tools, general hardware, non-electrical heating equipment, bolts, screws, rivets, washers, metal stampings, wire products, springs, valves, pipe and other light fabricated metal products.

29. Metal Working Machinery

Includes establishments primarily engaged in manufacturing power driven machines, not supported in the hands of an operator when in use, that shape metal by cutting or use of electrical techniques; the rebuilding of such machine tools and the manufacture of replacement parts for them.

30. Miscellaneous Machinery Except Electrical

Includes establishments primarily engaged in manufacturing machinery and parts, except electrical, not elsewhere classified.

31. Other Machinery Except Electrical

Includes establishments primarily engaged in manufacturing oil field machinery and equipment, farm machinery and equipment, food products machinery, printing equipment, etc.

32. Electrical Machinery, Equipment & Supplies

Includes establishments engaged in manufacturing machinery apparatus and supplies for the generation, storage, transmission, transformation, and utilization of electrical energy.

MANUFACTURING (continued)

33. Motor Vehicles & Equipment, and Other Transportation Equipment

Includes establishments primarily engaged in manufacturing or assembling motor vehicles, passenger cars, truck and bus bodies, truck trailers, and parts for motor vehicles.

34. Aerospace

Includes establishments manufacturing or assembling complete aircraft, missiles, or space vehicles, and parts for such vehicles.

35. Professional, Scientific, and Controlling Instruments: Photographic & Optical Goods: Watches and Clocks

Includes establishments engaged in manufacturing mechanical measuring, engineering, laboratory, and scientific research instruments; optical instruments and lenses; surgical, medical and dental instruments, equipment, and supplies; ophthalmic goods; photographic equipment and supplies; and watches and clocks.

36. Miscellaneous - Manufacturing Industries - Radio and TV Stations

Includes establishments manufacturing goods not elsewhere classified such as textile mill products, lumber and wood products, furniture and fixtures, leather and leather products, office supplies, and radio and TV stations.

TRANSPORTATION

37. Transportation

Includes enterprises engaged in passenger and freight transportation by railway, highway, or air; or furnishing services related to transportation; petroleum pipeline transportation; and warehousing.

UTILITIES

38. Utilities

Includes enterprises engaged in furnishing telephone and telegraph communication services and the supplying of electricity, gas, steam, water, or sanitary services.

WHOLESALE TRADE

39. Wholesale Trade

Includes establishments or places of business primarily engaged in selling merchandise to retailers; to industrial, commercial, institutional, or professional users; or to other wholesalers; or acting as agents in buying merchandise for or selling merchandise to such persons or companies.

RETAIL TRADE

40. Automotive Dealers and Service Stations

Includes retail dealers selling new and used automobiles and new parts and accessories; aircraft and marine dealers; and gasoline service stations.

41. Eating and Drinking Places

Includes establishments selling prepared foods and drinks for consumption on the premises and, also, lunch counters and refreshment stands selling prepared foods and drinks for immediate consumption.

42. Other Retail Trade

Includes retailers of building materials, general merchandise such as department stores, food, clothing, furniture, drugs, and other retail trade.

FINANCE, INSURANCE, AND REAL ESTATE

43. Finance, Insurance, and Real Estate

Includes establishments operating primarily in the fields of finance, insurance, and real estate. Finance includes banks and trust companies, credit agencies other than banks, other investment companies, brokers and dealers in securities and commodity contracts, and security and commodity exchanges. Insurance covers carriers of all types of insurance and insurance agents and brokers. Real estate includes owners, lessors, leasees, buyers, sellers, agents and developers of real estate.

SERVICES

44. Lodging Services

Includes commercial and institutional establishments engaged in furnishing lodging and meals, camping space, and camping facilities on a fee basis.

SERVICES (continued)

45. Medical and Other Health Services

Includes establishments primarily engaged in furnishing medical, surgical, and other health services to the public.

46. Business Services, Personal Services, and Other Services

Includes establishments rendering services not elsewhere classified to business enterprises on a fee or contract basis and establishments primarily engaged in providing services generally involving the care of the person or his apparel such as laundries, cleaning and dyeing plants, photographic studios, barber and beauty shops, etc.; and other services not elsewhere classified.

47. Education

Includes both public and privately provided educational services such as elementary and secondary schools, colleges and universities, commercial and trade schools, and other educational services.



WICHITA STATE UNIVERSITY

WICHITA, KANSAS 67208
PHONE 316/685-9161

DEPARTMENT OF ECONOMICS
COLLEGE OF BUSINESS ADMINISTRATION

Center for Business and Economic Research

April 10, 1972

Mr. Robert A. Lakin
Director of Planning
Metropolitan Area Planning Department
104 South Main Street
Wichita, KS 67202

Subject: Progress report for the month of March, 1972

Dear Mr. Lakin:

Enclosed is the monthly progress report for March, 1972, as per section 3-C-4 of the contract.

Copies of the report for designated members of your staff have been sent directly to them under separate cover.

Sincerely,


Norman L. Weed
Project Director

NLW:mb

Enc.

cc Willard L. Stockwell
Bob Hawbaker
Lawrence Mitchell
Ray Denton



MONTHLY PROGRESS REPORT

TO: Wichita-Sedgwick County Metropolitan Area Planning Commission
FROM: Center for Business and Economic Research, Wichita State University
SUBJECT: Monthly Progress Report as required under Section 3-C-4 of the Contract for Personal Services, Comprehensive Planning Assistance Project
MONTH: March, 1972

SAMPLING PROCEDURE:

Data requirements for input-output studies can be enormous under certain circumstances and are voluminous under any circumstances. The desire to obtain the total combination of secondary and primary data necessary to produce ideal tables can lure an investigator into a nearly endless process of data gathering. Constraints on data gathering are not internal to the study but rather are imposed by external forces, particularly time and funds available.

The constraints within which the sampling procedure for this study was formulated were sufficiently restrictive to require some adjustment to the ideal sampling process. That is, the sampling procedure as set out is perhaps somewhat less rigorous than a purist may desire, although the adjustments are commonly used in such studies.

The procedure is essentially a stratified random sampling process with the firm as the primary sampling unit. Firms are classified by major product S.I.C. code groupings and stratified as to size. The stratification criteria is number of employees. The firms to be sampled are selected from each strata. The selection of firms from smaller or "thin" strata will obviously involve some judgement factors rather than selection on a purely random basis.

The process, however, will be fairly easy to duplicate in the future for purposes of again testing the model.

WICHITA-SEDGWICK COUNTY

DATE

March 15, 1972

METROPOLITAN AREA PLANNING DEPARTMENT

TO Willard L. Stockwell, Chief Planner, Advance Plans Division
FROM Bob Hawbaker, Junior Planner, Advance Plans Division
SUBJECT Time Extension for Input/Output Contract

Mr. Lakin has informed me that HUD will not permit contract extensions for 701 projects. The procedure is to cancel the contract with the consultant for cause, then apply for additional funds for completion of the study. This is not a particularly desirable solution.

Dr. Weed feels that the contract will be completed and published prior to the June 30 end of our contract with HUD. He was asking for a little more leeway around the June 1 date, the end of MAPD's contract with WSU. I conveyed to him this would not be unreasonable, so long as we had the report in time to forward it to HUD by June 30.

BH:bh

cc: Dr. Norman Weed
Center for Business & Economic Research, WSU



WICHITA STATE UNIVERSITY

Center for Business & Economic Research

WICHITA, KANSAS 67208
PHONE 316/685-9161

DEPARTMENT OF ECONOMICS
COLLEGE OF BUSINESS ADMINISTRATION

March 10, 1972

Mr. Robert A. Lakin
Director of Planning
Metropolitan Area Planning Department
104 South Main Street
Wichita, KS 67202

Subject: Progress report for the month of February, 1972.

Dear Mr. Lakin:

Enclosed is the monthly progress report for February, 1972, as per section 3-C-4 of the contract.

Copies of the report for designated members of your staff have been sent directly to them under separate cover.

Sincerely,

Norman L. Weed
Norman L. Weed
Project Director

NLW/mcr

Enc.

cc: Willard L. Stockwell
✓ Bob Hawbaker
Lawrence Mitchell
Ray Denton



MONTHLY PROGRESS REPORT

TO: Wichita - Sedgwick County Metropolitan Area Planning Commission
FROM: Center for Business and Economic Research, Wichita State University
SUBJECT: Monthly Progress Report as required under Section 3-C-4 of the Contract for Personal Services, Comprehensive Planning Assistance Project.
MONTH: February, 1972

1. Data Collection

Complete secondary data for appropriate S.I.C. codes has been gathered and recorded at the county level for the following sectors: Agriculture, Construction, Wholesale Trade and Retail Trade. The process of data collection has been slower than anticipated in areas where unpublished data are the only source. The reporting requirements of agencies in the early part of the year have placed data needs of outside units in a position of low priority.

2. Extension of Completion Date

Present time schedule estimates indicate that a 30 day extension of the project completion date will be necessary. Such an extension would be required primarily for the purpose of writing and producing the final report. The original time schedule was predicated on a starting date of September 1, 1971, but the contract for the project was subsequently delayed until October. Anticipated time-saving measures have not been fully realized and, as a consequence, a request for extension will be forthcoming. The new completion date would be July 1, 1972 as opposed to the present date of June 1, 1972.



WICHITA STATE UNIVERSITY

WLS

Center for Business & Economic Research

WICHITA, KANSAS 67208
PHONE 316/685-9161

DEPARTMENT OF ECONOMICS
COLLEGE OF BUSINESS ADMINISTRATION

February 10, 1972

Mr. Robert A. Lakin
Director of Planning
Metropolitan Area Planning Department
104 South Main Street
Wichita, KS 67202

Subject: Progress report for the month of January, 1972.

Dear Mr. Lakin:

Enclosed is the monthly progress report for January, 1972, as per section 3-C-4 of the contract.

Copies of the report for designated members of your staff have been sent directly to them under separate cover.

Sincerely,

Norman L. Weed
Project Director

NLW/mcr

Enc.

cc: Willard L. Stockwell
Bob Hawbaker
Lawrence Mitchell
Ray Denton



MONTHLY PROGRESS REPORT

TO: Wichita - Sedgwick County Metropolitan Area Planning Commission
FROM: Center for Business and Economic Research, Wichita State University
SUBJECT: Monthly Progress Report as required under Section 3-C-4 of the Contract for Personal Services, Comprehensive Planning Assistance Project.
MONTH: January, 1972

1. Data Collection

During January, major emphasis was placed on the location, collection, and assembly of secondary data for the study area. The data will be supplemented and refined in later stages.

2. Sample Lists

Lists of firms within the area are being assembled preparatory to the sampling process. Firms will be structured on the basis of major S.I.C. code classifications according to the primary product of the firm.

3. Survey Questionnaires

Initial action in the preparation of questionnaires for survey purposes has been taken. Survey questions from prior studies conducted in Kansas, Texas, and Louisiana have been reviewed as to technique and subject to aid in determining basic material questions.

4. Additional Personnel

One additional staff member has been added to the study in the graduate assistant classification under the budget listings. Arrangements have also been made to utilize the services of Dr. I. N. Yoon in a technical consulting capacity for the study. Dr. Yoon has considerable background in the theoretical aspects of input-output study and will give assistance on technical problems as the need may arise.



WICHITA STATE UNIVERSITY

*WLS
Hawbaker*

Center for Business & Economic Research
DEPARTMENT OF ECONOMICS
COLLEGE OF BUSINESS ADMINISTRATION

WICHITA, KANSAS 67208
PHONE 316/685-9161

January 10, 1972

Mr. Robert A. Lakin
Director of Planning
Metropolitan Area Planning Department
104 South Main Street
Wichita, KS 67202

Subject: Progress report for the month of December, 1971.

Dear Mr. Lakin:

Enclosed is the monthly progress report for December, 1971, as per section 3-C-4 of the contract.

I have provided additional copies of the report for members of your staff who are directly involved in the study. These copies will be sent directly to the respective staff personnel.

Sincerely,

Norman L. Weed

Norman L. Weed
Project Director

NLW/mcr

Enc.

cc: Willard L. Stockwell
Bob Hawbaker
Lawrence Mitchell
Ray Denton



MONTHLY PROGRESS REPORT

TO: Wichita - Sedgwick County Metropolitan Area Planning Commission
FROM: Center for Business and Economic Research, Wichita State University
SUBJECT: Monthly Progress Report as required under Section 3-C-4 of the Contract for Personal Services, Comprehensive Planning Assistance Project.
MONTH: December, 1971

1. Sector Delineation

After review of the sector breakdown, the planning staff recommended that further consideration be given to a further refinement of sector 14, "Other Food and Kindred Products." Sector 14 is a part of the breakdown of the two-digit S.I.C. Code 20, "Food and Kindred Products." This sector contains activities that essentially could not be added to homogeneous groupings set out in other sectors. The code classifications contained in sector 14 were either not of sufficient interest by themselves to warrant the expenditure of resources necessary to handle them as individual sectors or they could not be isolated without violating disclosure provisions in the study. The particular classifications noted, codes 2033, 2035, 2037, and 2051 would fall under the latter problem. While there may be interest in analyzing these particular code classifications, the number of firms currently identified as being involved in such lines of activity would not allow publication of data from these firms within the normal allowance for nondisclosure of individual operations. The suggested grouping has been considered, along with other possibilities, prior to submission of the sector delineation.

2. Programs

The computer programs generated in the creation of the State input-output matrix have been acquired and reviewed. The programs were developed for use on equipment that is not directly compatible with equipment available to W.S.U. Considerable revision will be necessary to make the programs function on available equipment. A programmer has been designated to perform this work.



WICHITA STATE UNIVERSITY

WICHITA, KANSAS 67208
PHONE 316/685-9161

Center for Business & Economic Research
DEPARTMENT OF ECONOMICS
COLLEGE OF BUSINESS ADMINISTRATION

December 8, 1971

Mr. Robert A. Lakin
Director of Planning
Metropolitan Area Planning Department
104 South Main Street
Wichita, KS 67202

Subject: Progress report for the month of November, 1971

Dear Mr. Lakin:

Enclosed is the monthly progress report for November, 1971, as per section 3-C-4 of the contract.

I have provided additional copies of the sector breakdown for Bob Hawbaker for his review. We have discussed the criteria that were applied in deriving the individual items.

Sincerely,

A handwritten signature in cursive script that reads "Norman L. Weed".

Norman L. Weed
Project Director

NLW/ead

Enc.

cc: Bob Hawbaker
Lawrence Mitchell
Ray Denton

MONTHLY PROGRESS REPORT

TO: Wichita - Sedgwick County Metropolitan Area Planning Commission
FROM: Center for Business and Economic Research, Wichita State University
SUBJECT: Monthly Progress Report as required under Section 3-C-4 of the
Contract for Personal Services, Comprehensive Planning Assistance
Project
MONTH: November, 1971

1. Sector Delineation

The initial phase of selection of sectors to be included in the expanded version of the Sedgwick County input-output matrix has been completed. A copy of the sector breakdown including appropriate standard industrial classification codes is attached hereto and made a part of this report. This sector breakdown is being made available to the M.A.P.D. staff for their review. Upon completion of that review, the sectors may be adjusted to include items recommended by the M.A.P.D. staff.

AGRICULTURE

S.I.C. CODE

1. Grain Crops
2. Dairy and Poultry Products
3. Livestock
4. Other Agriculture Products and Services

MINING

	S.I.C. CODE
5. <u>Crude Petroleum and Natural Gas & Oil and Gas Field Services</u>	1311, 138
6. <u>Nonmetallic Mineral Mining Excluding Fuels</u>	14
144 - Sand and Gravel	
7. <u>Other Mining</u>	10-13
10 - Metal Mining	
11 - Anthracite Mining	
12 - Bituminous Coal and Lignite Mining	
→ 13 - Crude Petroleum and Natural Gas	

CONSTRUCTION

S.I.C. CODE

- | | | |
|-----|------------------------------------------------------------|----|
| 8. | <u>Maintenance and Repair</u> (a dummy industry) | |
| 9. | <u>Building Construction - General Contractors</u> | 15 |
| 10. | <u>Heavy Construction other than Building Construction</u> | 16 |
| 11. | <u>Special Trade Contractors</u> | 17 |

MANUFACTURING

	S.I.C. CODE
12. <u>Meat Products</u>	
2011 - Meat Packing Plants	201
2013 - Sausage and other Prepared Meats	
2015 - Poultry and Small Game Wholesale	
13. <u>Dairy Products</u>	202
2021 - Creamery Butter	
2024 - Ice Cream & Frozen Desserts	
2026 - Fluid Milk	
(14) <u>Other Food and Kindred Products</u>	203, 205, 207, 209, 208
2033 - Canned Fruits; Vegetables	
2035 - Salad Dressing	
2037 - Frozen Fruits, Vegetables, etc.	
2051 - Bakery Products	
2071 - Candy and other Confectionary Products	
2086 - Soft Drinks and Carbonated Waters	
2087 - Flavoring Extracts & Syrups	
2092 - Soybean Oil Meals	
2094 - Grease and Tallow	
2097 - Manufactured Ice	
2099 - (NEC) Food Preparations	
2099.1 - Hatcheries	
15. <u>Grain Mill Products</u>	204
2041 - Flour; other Grain Mill Products	
2042 - Prepared Feed for Animals and Fowls	
2043 - Cereal Preparations	
2046 - Processing of Grain and Feeds	
16. <u>Apparel and Related Products</u>	231, 232, 239
2311 - Suits, Uniforms, etc.	
2321 - Men's and Boy's Shirts Nightwear	
2328 - Work Clothing	
2391 - Curtains and Draperies	
2393 - Textile Bags	
2394 - Canvas Products	
2399 - Other Fabricated Products	

*less Aggregate
Cuts!*

17. Lumber & Wood Products Except Furniture 243, 244, 249
- 2431 - Millwork Plants
 - 2433 - Prefabricated Wood Building & Structural Members
 - 2441 - Nailed and Lock Corner Wooden Boxes
 - 2442 - Wirebound Boxes and Crates
 - 2499 - Other Wood Products
18. Furniture and Fixtures 251, 253, 254, 259
- 2511 - Wood Household Furniture not Upholstered
 - 2512 - Wood Furniture, Upholstered
 - 2515 - Mattress and Bedsprings
 - 2531 - Public Buildings & Related Furniture
 - 2541 - Wood Partitions, Shelvings, Lockers,
Office & Store Fixtures
 - 2542 - Metal Partitions, Shelvings, Lockers,
Office & Store Fixtures
 - 2591 - Venetian Blinds and Shades
 - 2599 - Misc. Furniture and Fixtures
19. Paper and Allied Products & Printing & Publishing 264, 265, 271-276,
278, 279
- 2643 - Bags, except Textile Bags
 - 2649 - Converted Paper and Paperbound Products
 - 2653 - Corrugated and Solid Fiber Boxes
 - 2711 - Newspaper: Publishing and Printing
 - 2721 - Periodicals
 - 2731 - Book Publishing
 - 2732 - Book Printing
 - 2741 - Misc. Publishing
 - 2751 - Commercial Printing, except Lithographic
 - 2752 - Commercial Printing, Lithographic
 - 2753 - Engraving & Plate Printing
 - 2754 - Misc. Reproduction Services
 - 2761 - Manifold Business Forms
 - 2789 - Bookbinding & misc. Related Work
 - 2791 - Typesetting
 - 2793 - Photo engraving
20. Industrial Inorganic and Organic Chemicals 281
- 2812 - Alkalies and Chlorine
 - 2813 - Industrial Gases
 - 2814 - Cyclic (coal tar) Crudes
 - 2815 - Dyes, Dye Cyclic. Intermediates and
Organic Pigments
 - 2818 - Other Industrial Organic Chemicals
 - 2819 - Industrial Inorganic Chemicals

21. Other Chemicals & Chemical Products 282-285, 287, 289
- 2821 - Plastic Materials, Synthetic Resins, and Nonvulcanizable Elastomers
 - 2831 - Biological Products
 - 2833 - Medicinal Chemicals
 - 2834 - Pharmaceutical Preparations
 - 2841 - Soap, Detergents, Except Specialty Cleaners
 - 2842 - Cleaning, Polishing & Sanitary Preparations
 - 2851 - Paints, Varnishes, Lacquers, and Enamels
 - 2852 - Putty, Caulking Compounds & Allied Products
 - 2872 - Fertilizers
 - 2873 - Agricultural Pesticides
 - 2899 - Chemical and Chemical Preparations
22. Petroleum Refining and Related Industries 291, 295, 299
- 2911 - Petroleum Refining
 - 2951 - Paving Mixtures
 - 2952 - Asphalt Felts and Coatings
 - 2992 - Lubricating Oils and Greases
23. Rubber & Miscellaneous Plastic Products 301, 306, 307
- 3011 - Tires and Inner Tubes
 - 3069 - Fabricated Rubber Products
 - 3079 - Miscellaneous Plastic Products
24. Concrete, Gypsum, and Plaster Products 327
- 3271 - Concrete Brick and Block
 - 3272 - Concrete Products, Except Block & Brick
 - 3272 - Ready Mix - Concrete
 - 3275 - Gypsum Products
25. Other Stone Clay and Glass Products 323, 324, 329
- 3231 - Glass Products
 - 3241 - Cement
 - 3293 - Gaskets, Packing & Asbestos Insulation
 - 3295 - Minerals and Earths, Ground or Otherwise Treated
 - 3296 - Mineral Wool
 - 3299 - Ceramics
26. Primary Metal Industries 331, 332, 336, 339
- 3317 - Steel Pipe and Tubes
 - 3321 - Gray Iron Foundries
 - 3322 - Malleable Iron Foundries
 - 3361 - Aluminum Castings
 - 3362 - Brass, Bronze, Copper Castings
 - 3369 - Nonferrous Castings (NEC)
 - 3399 - Primary Metal Industries

27. Fabricated Metal Products 344
- 3441 - Fabricated Structural Steel
 - 3443 - Fabricated Plate Work - Boilershops
 - 3442 - Metal Doors, Sash, Frames, Molding, Trim
 - 3444 - Sheet Metal Work
 - 3449 - Architectural & Miscellaneous Metalwork
28. Other Fabricated Metal Products 342, 343, 345-349
- 3423 - Hand and Edge Tools
 - 3429 - Other Hardware
 - 3432 - Plumbing Fixtures, Fitting & Trim
 - 3433 - Heating Equipment, Except Electric
 - 3451 - Screw-Machine Products
 - 3461 - Metal Stampings
 - 3471 - Electroplating, Plating, Polishing, Anodizing & Coloring
 - 3479 - Coating, Engraving and Allied Services
 - 3481 - Fabricated Wire Products
 - 3491 - Metal Shipping Barrels, Drums, Kegs, & Pails
 - 3498 - Fabricated Pipe and Fittings
 - 3499 - Fabricated Metal Products (NEC)
29. Metal Working Machinery 354
- 3542 - Machine Tools, Metal Forming Type
 - 3544 - Special Dies & Tools, Die Sets, Jigs and Fixtures
 - 3545 - Machine Tool Accessories & Measuring Devices
 - 3548 - Metal Working Machinery, Except Machine Tools and Power-Driven Hand Tools
30. Miscellaneous Machinery Except Electrical 359
- 3591 - Machine Shops, Jobbing
 - 3599 - Machinery and Parts, Except Electrical
31. Other Machinery Except Electrical 351- 353, 355, 356, 358
- 3511 - Power Units, Panels
 - 3522 - Farm Machinery and Equipment
 - 3531 - Construction Machinery & Equipment
 - 3533 - Oil Field Machinery & Equipment
 - 3537 - Industrial Trucks, Trailers, Tractors & Stackers
 - 3551 - Food Products Machinery
 - 3555 - Printing Trades Machinery & Equipment
 - 3559 - Special Industry Machinery (NEC)
 - 3561 - Pumps, Air & Gas Compressors & Pumping Equipment
 - 3564 - Blowers, Exhaust and Ventilating Fans
 - 3565 - Industrial Patterns
 - 3566 - Mechanical Power Transmission Equipment, Except Ball & Roller Bearings

Other Machinery Except Electrical (continued)

- 3569 - General Industrial Machinery & Equipment (NEC)
- 3581 - Automatic Merchandising Machines
- 3582 - Commercial Laundry, Dry-Cleaning and Pressing Machines
- 3585 - Refrigerating and Air-Conditioning Equipment
- 33. Electrical Machinery, Equipment & Supplies 361-367, 369
 - 3611 - Electrical Measuring Instruments & Test Equipment
 - 3613 - Switch Gear and Switchboard Apparatus
 - 3621 - Motors, Generators, etc.
 - 3622 - Industrial Controls
 - 3623 - Welding Apparatus
 - 3631 - Household Cooking Equipment
 - 3639 - Household Appliances (NEC)
 - 3642 - Lighting Fixtures
 - 3643 - Current-Carrying Wiring Devices
 - 3652 - Phonograph Records
 - 3662 - Radio-TV Transmitting, Signaling-Detection Equipment-Apparatus
 - 3679 - Electronic Components and Accessories (NEC)
 - 3672 - Cathode Ray Picture Tubes
 - 3694 - Electrical Equipment for Internal Combustion Engines
- 34. Motor Vehicles & Equipment, and Other Transportation Equipment 371, 373, 379
 - 3713 - Truck and Bus Bodies
 - 3714 - Motor Vehicle Parts and Accessories
 - 3715 - Truck Trailers
 - 3732 - Boat Building, Repairing & Accessories
 - 3799 - Transportation Equipment (NEC)
- 35. Aerospace 372
 - 3721 - Aircraft
 - 3722 - Aircraft Engines & Engine Parts
 - 3729 - Aircraft Parts & Auxiliary Equipment
- 36. Professional, Scientific, and Controlling Instruments: Photographic & Optical Goods: Watches and Clocks 318, 382, 384, 385, 386
 - 3811 - Engineering Laboratory, Scientific and Research
 - 3821 - Mechanical Measuring and Controlling Equipment
 - 3842 - Orthopedic, Prosthetic and Surgical Appliances & Supplies
 - 3843 - Dental Equipment and Supplies
 - 3851 - Ophthalmic Goods
 - 3861 - Photographic Equipment and Supplies

37. Miscellaneous - Manufacturing Industries
Radio and TV Stations

391, 394, 395, 396, 399

- 39a01 - Electric Power Generating Plants
- 39b01 - Natural Gas
- 39c01 - Water Utility
- 3912 - Jewelry
- 3949 - Sporting and Athletic Goods
- 3952 - Pencils, Crayons & Artists' Materials
- 3953 - Marking Devices
- 3962 - Feathers, Plumes and Artificial Flowers
- 3991 - Brooms and Brushes
- 3993 - Signs & Advertising Displays
- 3994 - Morticians Goods
- 3999 - Manufacturing Industries (NEC)
 - Radio Stations
 - Television Stations

TRANSPORTATION

S.I.C. CODE

38. Transportation

40-42, 45-47

- 40 - Railroad Transportation
- 41 - Local and Suburban Transit and Interurban
Highway Passenger Transportation
- 42 - Motor Freight Transportation and Warehousing
- 45 - Transportation by Air
- 46 - Pipeline Transportation
- 47 - Transportation Services

UTILITIES

S.I.C. CODE

39. Utilities

48, 49

48 - Communication

49 - Electric Gas and Sanitary Services

**water*

WHOLESALE TRADE

S.I.C. CODE

40. Wholesale Trade

501, 502, 504-509

- 501 - Motor Vehicles and Automotive Equipment
- 502 - Drugs, Chemicals and Allied Products
- 504 - Groceries and Related Products
- 505 - Farm Products - Raw Materials
- 506 - Electrical Goods
- 507 - Hardware Plumbing and Heating Equipment
- 508 - Machinery, Equipment, and Supplies
- 509 - Miscellaneous Wholesalers

RETAIL TRADE

S.I.C. CODE

41. Automotive Dealers and Service Stations 55
- 551 - New and Used Car Dealers
 - 552 - Used Car Dealers
 - 553 - Tire, Battery, and Accessory Dealers
 - 554 - Gasoline Service Stations
 - 559 - Miscellaneous Aircraft, Marine, and Automotive Dealers
42. Eating and Drinking Places 58
43. Other Retail Trade 52-54, 56, 57, 59
- 52 - Building Materials, Hardware, & Farm
Equipment Dealers
 - 53 - Retail Trade - General Merchandise
 - 54 - Food Stores
 - 56 - Apparel and Accessory Stores
 - 57 - Furniture, Home Furnishings and Equipment
Stores
 - 59 - Miscellaneous Retail Stores

FINANCE, INSURANCE AND REAL ESTATE

S.I.C. CODE

44. Finance, Insurance and Real Estate

60-67

- 60 - Banking
- 61 - Credit Agencies Other Than Bank
- 62 - Security and Commodity Brokers, Dealers,
Exchanges, and Services
- 63 - Insurance Carriers
- 64 - Insurance Agents, Brokers, and Service
- 65 - Real Estate
- 66 - Combinations of Real Estate, Insurance,
Loans, Law Offices
- 67 - Holding and Other Investment Companies

SERVICES

	S.I.C. CODE
45. <u>Lodging Services</u>	701 - 703
701 - Hotels, Tourist Courts and Motels	
702 - Rooming and Boarding Houses	
703 - Trailer Parks and Camps (Excludes 7031 - Trailer Parks)	
46. <u>Medical and Other Health Services</u>	80
47. <u>Business Services, Personal Services, and Other Services</u>	72, 73, 7301, 75, 76, 78, 79, 81, 84 86, 88, 89 (excludes 8921)
72 - Personal Services	
73 - Miscellaneous Business Services	
7301 - Trailer Parks	
75 - Automobile Repair, Auto Services, & Garages	
76 - Miscellaneous Repair Services	
78 - Motion Pictures	
79 - Amusement and Recreation Services Except Motion Pictures	
81 - Legal Services	
84 - Museums, Art Galleries, Botanical, and Zoological Gardens	
86 - Nonprofit Membership Organizations	
88 - Private Households	
89 - Miscellaneous Services	
48. <u>Education</u>	82, 92, 93
82 - Educational Services	
9282 - State Educational Services	
9382 - Local Educational Services	

MONTHLY PROGRESS REPORT

TO: Wichita-Sedgwick County Metropolitan Planning Commission
FROM: Center for Business and Economic Research, Wichita State University
SUBJECT: Monthly Progress Report as required under Section 3-C-4 of the
Contract for Personal Services, Comprehensive Planning Assistance
Project
MONTH: April, 1972

A copy of the sector breakdown and coverage included in each sector is herewith enclosed. The explanatory material may be revised slightly in the future depending upon respondents' ability to draw clear distinctions as to the various categories. Questionnaires for firms are keyed to this breakdown.



AGRICULTURE

1. Grain Crops

Includes establishments primarily engaged in the production of grains such as barley, corn, oats, soybeans, and wheat.

2. Dairy and Poultry Products

Includes establishments primarily engaged in the production of cow's milk and other dairy products and establishments engaged in the production of broiler chickens. Also includes establishments engaged in the production of poultry and poultry products except broiler chickens.

3. Livestock

Includes establishments primarily engaged in the production of beef cattle, hogs, and other livestock and livestock products not elsewhere classified.

4. Other Agriculture Products and Services

Includes establishments engaged in the production of various miscellaneous farm products not elsewhere classified and establishments performing agricultural, animal husbandry, and horticultural services on a fee or contract basis.

MINING

5. Crude Petroleum and Natural Gas & Oil and Gas Field Services

Includes establishments primarily engaged in operating oil and gas field properties and those establishments engaged in drilling wells for oil or gas for others on a contract, fee, or other basis.

6. Nonmetallic Mineral Mining Excluding Fuels

Includes mining of stone, sand, gravel, and clays.

7. Other Mining

Includes mining of coal and minerals not previously classified.

CONSTRUCTION

8. Maintenance and Repair

Includes expenditures by firms for maintenance and repairs services on capital assets. These include painting, rewiring, etc.

CONSTRUCTION (continued)

9. Building Construction - General Contractors

General contractors primarily engaged in construction of residential, farm, industrial, public, and other buildings.

10. Heavy Construction Other Than Building Construction

Includes general contractors engaged in the construction of highways and streets, bridges, sewers, railroads, etc.

11. Special Trade Contractors

Includes contractors who undertake specialized activities such as plumbing, painting, plastering, carpentry, etc.

MANUFACTURING

12. Meat Products

Includes establishments such as processing, preparing, and packing meat products.

13. Dairy Products

This group includes establishments primarily engaged in processing milk and cream. Manufacturing creamery butter, natural cheese, ice cream and frozen desserts, etc.

14. Other Food and Kindred Products

Includes establishments producing or processing beverage products, bakery products, etc.

15. Grain Mill Products

Includes establishments primarily engaged in processing flour, cereal, feeds, etc.

16. Apparel and Related Products

This major group, known as the cutting-up and needle trades, includes establishments producing clothing and fabricating products by cutting and sewing purchased woven or knit textile fabrics and related materials.

17. Lumber and Wood Products Except Furniture

This group includes various types of millwork plants and establishments engaged in manufacturing finished articles made entirely or mainly of wood or wood substitutes.

MANUFACTURING (continued)

18. Furniture and Fixtures

Includes establishments engaged in manufacturing household, office, public building and restaurant furniture, and office and store fixtures.

19. Paper and Allied Products & Printing & Publishing

Includes establishments manufacturing pulp from wood and other cellulose fibers, the manufacture of paper and paper products such as bags, boxes, envelopes, etc. This group also includes establishments engaged in printing by one or more of the common processes and establishments which perform services for the printing trade such as type setting, etc., and establishments engaged in publishing newspapers, books, etc.

20. Industrial Inorganic and Organic Chemicals

Includes establishments primarily engaged in manufacturing inorganic pigments.

21. Other Chemicals & Chemical Products

Includes establishments engaged in manufacturing fertilizers, agricultural pesticides, and other agricultural chemicals; and also includes those establishments manufacturing unfinished plastics, drugs, cleaning preparations, perfumes, paints, explosives, glue, ink, etc.

22. Petroleum Refining and Related Industries

This group includes establishments primarily engaged in petroleum refining, manufacturing paving and roofing materials, and compounding lubricating oils and greases from purchased materials.

23. Rubber & Miscellaneous Plastic Products

Includes establishments primarily engaged in producing tires and tubes, rubber footwear, other fabricated rubber products, and miscellaneous finished plastic products.

24. Concrete, Gypsum and Plaster Products

Includes establishments primarily engaged in manufacturing concrete products, except block and brick, from a combination of cement and aggregate.

MANUFACTURING (continued)

25. Other Stone Clay and Glass Products

Includes establishments primarily engaged in producing glass and glass products, brick, pottery, asbestos products, etc.
26. Primary Metal Industries

Includes establishments primarily engaged in the smelting of ferrous and nonferrous metals and establishments engaged in the manufacture of casting, forgings, and other basic metal products.
27. Fabricated Metal Products

Includes establishments primarily producing metal sash and doors, boiler plate fabrication, sheet metal work, and other fabricated structural metal products.
28. Other Fabricated Metal Products

Includes establishments primarily engaged in producing metal cans, cutlery, hand tools, general hardware, non-electrical heating equipment, bolts, screws, rivets, washers, metal stampings, wire products, springs, valves, pipe and other light fabricated metal products.
29. Metal Working Machinery

Includes establishments primarily engaged in manufacturing power driven machines, not supported in the hands of an operator when in use, that shape metal by cutting or use of electrical techniques; the rebuilding of such machine tools and the manufacture of replacement parts for them.
30. Miscellaneous Machinery Except Electrical

Includes establishments primarily engaged in manufacturing machinery and parts, except electrical, not elsewhere classified.
31. Other Machinery Except Electrical

Includes establishments primarily engaged in manufacturing oil field machinery and equipment, farm machinery and equipment, food products machinery, printing equipment, etc.
32. Electrical Machinery, Equipment & Supplies

Includes establishments engaged in manufacturing machinery apparatus and supplies for the generation, storage, transmission, transformation, and utilization of electrical energy.

MANUFACTURING (continued)

33. Motor Vehicles & Equipment, and Other Transportation Equipment

Includes establishments primarily engaged in manufacturing or assembling motor vehicles, passenger cars, truck and bus bodies, truck trailers, and parts for motor vehicles.

34. Aerospace

Includes establishments manufacturing or assembling complete aircraft, missiles, or space vehicles, and parts for such vehicles.

35. Professional, Scientific, and Controlling Instruments: Photographic & Optical Goods: Watches and Clocks

Includes establishments engaged in manufacturing mechanical measuring, engineering, laboratory, and scientific research instruments; optical instruments and lenses; surgical, medical and dental instruments, equipment, and supplies; ophthalmic goods; photographic equipment and supplies; and watches and clocks.

36. Miscellaneous - Manufacturing Industries - Radio and TV Stations

Includes establishments manufacturing goods not elsewhere classified such as textile mill products, lumber and wood products, furniture and fixtures, leather and leather products, office supplies, and radio and TV stations.

TRANSPORTATION

37. Transportation

Includes enterprises engaged in passenger and freight transportation by railway, highway, or air; or furnishing services related to transportation; petroleum pipeline transportation; and warehousing.

UTILITIES

38. Utilities

Includes enterprises engaged in furnishing telephone and telegraph communication services and the supplying of electricity, gas, steam, water, or sanitary services.

WHOLESALE TRADE

39. Wholesale Trade

Includes establishments or places of business primarily engaged in selling merchandise to retailers; to industrial, commercial, institutional, or professional users; or to other wholesalers; or acting as agents in buying merchandise for or selling merchandise to such persons or companies.

RETAIL TRADE

40. Automotive Dealers and Service Stations

Includes retail dealers selling new and used automobiles and new parts and accessories; aircraft and marine dealers; and gasoline service stations.

41. Eating and Drinking Places

Includes establishments selling prepared foods and drinks for consumption on the premises and, also, lunch counters and refreshment stands selling prepared foods and drinks for immediate consumption.

42. Other Retail Trade

Includes retailers of building materials, general merchandise such as department stores, food, clothing, furniture, drugs, and other retail trade.

FINANCE, INSURANCE, AND REAL ESTATE

43. Finance, Insurance, and Real Estate

Includes establishments operating primarily in the fields of finance, insurance, and real estate. Finance includes banks and trust companies, credit agencies other than banks, other investment companies, brokers and dealers in securities and commodity contracts, and security and commodity exchanges. Insurance covers carriers of all types of insurance and insurance agents and brokers. Real estate includes owners, lessors, leasees, buyers, sellers, agents and developers of real estate.

SERVICES

44. Lodging Services

Includes commercial and institutional establishments engaged in furnishing lodging and meals, camping space, and camping facilities on a fee basis.

SERVICES (continued)

45. Medical and Other Health Services

Includes establishments primarily engaged in furnishing medical, surgical, and other health services to the public.

46. Business Services, Personal Services, and Other Services

Includes establishments rendering services not elsewhere classified to business enterprises on a fee or contract basis and establishments primarily engaged in providing services generally involving the care of the person or his apparel such as laundries, cleaning and dyeing plants, photographic studios, barber and beauty shops, etc.; and other services not elsewhere classified.

47. Education

Includes both public and privately provided educational services such as elementary and secondary schools, colleges and universities, commercial and trade schools, and other educational services.

Center for Business & Economic Research

November 8, 1971

Mr. Robert A. Lakin
Director of Planning
Metropolitan Area Planning Department
104 South Main Street
Wichita, KS 67202

Dear Mr. Lakin:

Subject: Progress report for the month of October, 1971.

In compliance with Section 3-C-4 of our contract, I am forwarding to you the first of the monthly progress reports. You will note that Phase 1 and Phase 2 as previously set out have more closely joined. This rescheduling was done to conserve time. Hopefully, we may be able to continue this process through the next two phases in order to maintain our original schedule following a later than anticipated starting date.

I will continue to be in contact with Mr. Hawbaker and Mr. Mitchell of your office. If any additional information is desired, please call me.

Sincerely,

Horman L. Weed
Project Director

NLW/mcr

Enc.

cc: Bob Hawbaker
Lawrence Mitchell



MONTHLY PROGRESS REPORT

TO: Wichita - Sedgwick County Metropolitan Area Planning Commission
FROM: Center for Business and Economic Research, Wichita State University
SUBJECT: Monthly Progress Report as required under Section 3-C-4 of the Contract for Personal Services, Comprehensive Planning Assistance Project
MONTH: October, 1971

1. Sector delineation

The delineation of sectors to be included in the initial form of the input-output matrix is in process. The criteria for determining the initial sector breakdown are based on data constraints and estimated usefulness of a proposed sector for planning and economic development purposes.

2. Data accumulation procedures

Arrangements are being completed to collect and aggregate available data from the State input-output study sources. Such data will be aggregated in a form coordinate with the determined sector breakdown indicated in Item 1 above. The completeness and recency of the data will also serve as constraints in determining the extent of later survey procedures. Secondary data sources are also being identified and obtained for use in later phases of the project.

3. Programming procedures

Electronic data processing programs capable of handling raw data and programs for manipulating the completed matrix will both be necessary in phases 2 and 3 of the project. In view of the initial delay in starting under the contract, provisions for

developing the necessary programs have been undertaken concurrent with data identification procedures. Such programs should be available and operable on W.S.U. E.D.P. equipment in sufficient time to handle early data inputs.

September 23, 1971

Board of Sedgwick County Commissioners
Robert A. Lakin, Director of Planning

Sedgwick County Economic Study

The MAPD's Planning Grant from the Department of Housing and Urban Development includes funds for conducting an Input-Output study for Sedgwick County. The study will measure dollar flow among economic sectors within and outside the County. A contract has been negotiated with Wichita State University's Center for Business and Economic Research. It calls for updating, expanding, and refining the present Input-Output tables. The existing tables for Kansas were prepared in 1965-67 by M. Jarvin Emerson, the state economist. This study is also called for in the Bradford Report.

The final product of this study will be the Input-Output matrices which will reflect as nearly as possible the current economic status of the County by industrial sector. These tables can be useful as a planning tool by allowing the effects of increased or decreased employment in specific sectors of the local economy to be measured. Further, the tables may allow the metropolitan area to actively attract new industries.

The contract is in the amount of \$12,000, as specified in the HUD grant. As local match funds, the MAPD will provide staff assistance and monitoring.

The Metropolitan Area Planning Commission considered the contract at their regular meeting on September 23. They unanimously adopted a resolution authorizing the Chairman of the Commission to enter into a contract with Wichita State University.

I request that this item be placed on the agenda of the County Commission meeting of September 29, 1971. Attached for your consideration is a resolution concurring in the decision of the Planning Commission and a copy of the Contract.

Attachments
cc: Marie Warden, County Clerk

RAL:bh

**Elmer
Fox
&
Company**

Certified Public Accountants
900 Vickers-KSB&T Building/Wichita, Kansas 67202/(316) 266-3231

September 30, 1971

The Board of County Commissioners
Sedgwick County Courthouse
Wichita, Kansas 67203

**Subject: Agreement Between Wichita State University
Center for Business and Economic
Research and
Wichita-Sedgwick County Metropolitan Area
Planning Commission for
Comprehensive Planning Assistance Project
(Updating of Input-Output Model)**

Gentlemen:

We have discussed in detail with responsible members of the Metropolitan Area Planning Department the Comprehensive Planning Assistance Project Agreement to be executed between Wichita State University and MAPD.

The basic purpose of the Comprehensive Planning Assistance Project is to update the Input-Output Table constructed in 1965 by Dr. Jarvin Emerson, State Economist of Kansas State University, for the State of Kansas and to expand and alter the table to make it more applicable to Sedgwick County. In simple terms, an Input-Output Table is an analysis tool employed to determine the sources of economic input (such as material or labor) into sectors of the economy (aircraft manufacturing, for example) and to determine what is done with the economic output from different sectors of the economy. Analysis of the table then makes it possible to determine such things as:

1. What materials are required by a sector of the economy, must they be imported into the area, or can the local economy provide the input materials, either from existing suppliers or through development of new industry?
2. What manpower is required to support the industry which could provide input materials on a local basis?
3. What manpower is required to support the distribution of output from a sector of the economy? This is particularly relevant when new or additional industry is developed.
4. Future employment prospects based upon present and anticipated future conditions.



September 30, 1971

Considerable effort is being expended throughout Sedgwick County by several different committees in an attempt to relieve the unemployment situation. One of the ways to relieve unemployment is through creation of new jobs through new industry. Development of Input-Output Tables for Sedgwick County can perhaps point out new industrial opportunities. Every committee working on development of new industry can theoretically benefit from the proposed project. It must be pointed out, however, that the Input-Output Table analysis is not presented as a panacea for unemployment problems in Sedgwick County, but only as an analytical tool which may be of help.

The amount of the agreement is \$12,000. The source of the cash outlay of \$12,000 is 701 funds provided by the Department of Housing and Urban Development. In addition, MAPD will provide one-third matching funds in the form of manpower only. The manpower will consist of approximately one-third of the time of one person (Mr. Hawbaker) for a period of one year, and a minimum amount of time from Mr. Lakin, Mr. Stockwell and Mr. Mitchell.

Wichita State University will provide the services of Dr. Norman Weed to direct and supervise the required work. In addition, the University will provide all other personnel required to perform the work under the agreement. A copy of the total budget is attached for your consideration.

We feel that the proposed Comprehensive Planning Assistance Project can be of definite value to several agencies of Sedgwick County, including the Chamber of Commerce, the Industrial Development Committee and MAPD. We believe the project to be well conceived and planned. We recommend that MAPD provide the Board of County Commissioners with periodic status reports and with any final report prepared at the conclusion of the project. Finally, we recommend that the Comprehensive Planning Assistance Project be approved by the Board of Commissioners.

This item has been placed on the agenda for the Board of Commissioners' meeting of October 6, 1971.

Yours very truly,

Walter Kenney
Of Elmer Fox & Company

WKenney:ds

Enclosure

D. Budget

PHASE COSTS

Item	Phase 1 One Month	Phase 2 Four Months	Phase 3 Three Months	Phase 4 One Month	Line-Item Total
Personnel:					
Consultants	\$ 500.00		\$ 500.00		\$ 1,000.00
One full-time graduate assistant - 9 months	222.23	\$ 388.88	666.66	\$ 222.23	2,000.00
Three part-time assistants - 4 1/2 months	333.34	2,666.66			3,000.00
Secretarial support - 1 1/2 months full-time equivalent at \$400 per month	200.00			400.00	600.00
Clerical support - 2 months equivalent at \$144 per month		150.00	150.00		300.00
Travel, postage, telephone, reproduction, and supplies	400.00	1,000.00	500.00	100.00	2,000.00
Programming services - 60 hours at \$7.75 per hour		100.00	400.00		500.00
Computer time - 10 hours at \$150 per hour		300.00	1,200.00		1,500.00
Indirect costs at 10% of direct costs	166.00	510.00	342.00	72.00	1,000.00
	Item 3C1	Item 3C2	Item 3C3	Item 3C4	
Total Cost	\$1,821.57	\$5,615.54	\$3,758.66	\$794.23	\$11,990.00

**BOARD OF SEDGWICK COUNTY COMMISSIONERS
PROCEEDINGS**

AGENDA FOR REGULAR MEETING

OCTOBER 6, 1971

- A. Invocation by Reverend Robert Hemberger of Saint Anne Catholic Church.
- B. Roll Call.
- C. Approval of Minutes of Regular Meeting, September 29, 1971
- D. Road & Bridge:
 - 1. Right of Way Matters:
 - a. Kansas Gas & Electric Company requests permit to bury a 7.2 kv 1 Ø underground circuit to be installed a minimum of three feet below flow line of ditch and a minimum of six feet below crown of road. This will consist of 1 #2 aluminum 15 kv cable in PVC duct to be installed across 143rd Street East (County Road 839-0) approximately 2,196 feet south of center line of 13th Street North. This work is in connection with installing underground electric distribution system to East Meadows Addition to Sedgwick County, Kansas. No blacktop cut; no cost to Sedgwick County.
 - b. The Gas Service Company requests permit to bury a 2-inch steel I.L.P. gas main at the following location: Beginning 29 feet south of centerline of 45th Street North and 10 feet W.E.P.L. Cypress, thence southwest 426 feet to 455 feet south of centerline of 45th Street and 10 feet W.E.P.L. Cypress. No blacktop cut; no cost to Sedgwick County.
- E. Vacation Hearing No. 3000.63: In the Matter of the Vacation of portions of Lawrence Road and 34th Street North in an area between 33rd and 35th Streets North and west of Topeka. Attorney for Petitioners: V. Lee Garrett
- F. Appointment of County Counselor
- G. Planning Commission:
 - 1. SCZ-0270 - Request for Change from "R-1" to "C"
 - 2. Contract and Resolution relating to authorizing the MAPC to enter into a contract with Wichita State University.

WICHITA-SEDGWICK COUNTY
METROPOLITAN AREA PLANNING COMMISSION

AGENDA

SEPTEMBER 23, 1971

The regular meeting of the Wichita-Sedgwick County Metropolitan Area Planning Commission will be held on Thursday, September 23, 1971, at 1:30 p.m. in Room 401 City Building Annex, 104 South Main, Wichita, Kansas. The following items will be considered:

1. Invocation by Rev. Leslie Rock, Associate Minister, West Side Christian Church, 1819 West Douglas.

2. Approval of Minutes of August 12, 1971 and August 26, 1971.

3. Resolution authorizing expenditure of #701 funds for Economic Study. A contract with Wichita State University has been negotiated to perform an input-output study for Sedgwick County. The contract is in the amount of \$12,000 and will be funded from Federal 701 funds. A resolution authorizing the Chairman of the Planning Commission to sign the contract is submitted for approval. (Memo enclosed to the Planning Commissioners.)

4. DR 71-39 - A-95 Review - Application for Federal Grant by City of Cheney for water system improvements. (Memo enclosed to Planning Commissioners.)

SUBDIVISION COMMITTEE

Deferred by Planning Commission

5. V-0571 - Howard I. White, Jr., requests vacation of street right-of-way legally described as that portion of street right-of-way at the NW corner of Pawnee and Hillside which is bounded on the east by a line 40 feet west and parallel to the east line of Section 34, Township 27 S, Range 1 East; bounded on the south by a line 40 feet north and parallel to the south line of said section; and on the northwest by an arc having a length of 67.3 feet, and a radius of 100 feet and as platted in Lot 2, Block G, Maplewood Addition. Generally located at the northwest corner of Hillside and Pawnee.

SUBDIVISION COMMITTEE RECOMMENDATION - SEPTEMBER 9, 1971:

The Committee recommends approval, subject to:

1. The applicant dedicating by separate instrument additional street right-of-way, being the east 10 feet of Lot 2, Block 6, Maplewood Addition, for Hillside Avenue; and being the south 10 feet of Lots 1 and 2, Block 6, Maplewood Addition, for Pawnee Avenue.
2. The applicant dedicating by separate instrument, "complete access control" extending for a distance of 40 feet north and west of the new southeast corner of Lot 2, Block 6, Maplewood Addition.
3. Any relocation or reconstruction of utilities necessitated by this vacation being at the sole expense of the applicant.
4. All proceedings being without cost to the City, County, or any utility company.

ZONING

Deferred by Planning Commission

6. Case No. SCZ-0267

Request: "R-1" to "C"

Location: Between K-15 and Buckner in an area north of James

NOTE: This application should again be deferred to the Planning Commission meeting of October 14, 1971, as the applicant requested an additional deferral by the Derby Planning Commission.

New Cases

7. Case No. SCZ-0270

Request: "R-1" to "C"

Location: North side of Harry in an area approximately 1/2 mile east of Webb Road

8. Case No. Z-1317

Request: "LC" to "AA"

Location: North side of 55th Street South in an area between Seneca and Handley

9. Case No. Z-1323
Request: "LC" to "AA"
Location: Northwest corner of 55th Street South and Seneca

10. Case No. Z-1324
Request: "LC" to "BB"
Location: West side of Seneca in an area
south of 45th Street South

11. Case No. Z-1318
Request: "A" to "BB"
Location: North side of Kellogg in an area between
Roosevelt and Yale

12. Case No. Z-1319
Request: "AA" and "A" to "LC"
Location: West side of Hillside between Shadybrook and Carmen

13. Case No. Z-1320
Request: "AA" to "BB"
Location: Northeast corner of Central and Kessler

14. Case No. Z-1321
Request: "AA" to "LC"
Location: Northeast corner of 29th and Amidon

15. Case No. Z-1322
Request: "B" to "LC"
Location: West side of Hillside in an area between
16th and 17th Streets

Page 4 - Planning Commission Agenda
September 23, 1971

16. Other Matters.


Robert A. Lakin
Secretary

R E S O L U T I O N

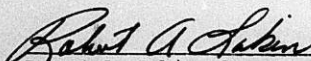
A RESOLUTION RELATING TO THE AUTHORIZATION OF THE WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING DEPARTMENT TO EXECUTE AND ENTER INTO A CONTRACT WITH WICHITA STATE UNIVERSITY, CENTER FOR BUSINESS AND ECONOMIC RESEARCH, BE IT RESOLVED BY THE WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION:

SECTION I. The Vice-Chairman of the Wichita-Sedgwick County Metropolitan Area Planning Commission is hereby authorized to execute and enter into a contractual agreement with Wichita State University, Center for Business and Economic Research, Wichita, Kansas, for the purpose of updating, expanding and refining the Input-Output tables for Sedgwick County, Kansas for planning purposes; and that agreement shall not exceed a total of Twelve Thousand (\$12,000) Dollars in amount. The Vice-Chairman is hereby empowered to sign all contracts and agreements necessary to execute the aforementioned contract.

ADOPTED this 23rd day of September, 1971


Robert E. Blakey, Vice-Chairman
Wichita-Sedgwick County Metropolitan Area Planning Commission

ATTEST:


Robert A. Lakin, Secretary
Wichita-Sedgwick County Metropolitan Area Planning Commission

(SEAL)

WICHITA-SEDGWICK COUNTY

DATE
September 21, 1971

METROPOLITAN AREA PLANNING DEPARTMENT

TO Board of City Commissioners
FROM Robert A. Lakin, Director of Planning *RL*
SUBJECT Sedgwick County Economic Study Funded by HUD

The MAPD's Planning Grant from HUD includes funds for conducting an Input-Output Study for Sedgwick County. The contract, which has been negotiated with Wichita State University's Center for Business and Economic Research, calls for updating, expanding and modifying the present Input-Output tables for Sedgwick County. The existing tables for Kansas were prepared in 1965-67 by M. Jarvin Emerson, the state economist. This study is also called for in the Bradford report.

The final product of this study will be the input-output matrices which will reflect as nearly as possible the current economic status of Sedgwick County by industrial sector. These tables can be useful as a planning tool by allowing the effects of increased or decreased employment in specific sectors to be measured. Further, the tables may allow the city to actively attract new industries.

The contract is in the amount of \$12,000, as specified in the HUD grant. As local match funds, the MAPD will provide staff assistance and monitoring.

The Metropolitan Area Planning Commission will consider the contract at their regular meeting, Thursday, September 23. Their recommendation will be reported at the Commission meeting.

Attached for your consideration is a resolution concurring in the decision of the Planning Commission.

RAL:BH:bh

Attachment

R E S O L U T I O N

A RESOLUTION AUTHORIZING THE EXPENDI-
TURE OF URBAN PLANNING FUNDS

WHEREAS, the Wichita-Sedgwick County Metropolitan Area Planning Commission is a legal entity and possesses the powers and authority to expend Federal funds and other funds:

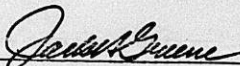
NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COMMISSIONS OF THE CITY OF WICHITA, KANSAS:

SECTION I. That the Board of Commissioners of the City of Wichita concur in the action of Wichita-Sedgwick County Metropolitan Area Planning Commission in entering into a contractual agreement with Wichita State University, Center of Business and Economic Research, Wichita, Kansas for the purpose of updating, expanding, and refining the Input-Output tables for Sedgwick County, Kansas, for economic analysis for planning purposes provided that the agreement shall not exceed a total of Twelve Thousand (\$12,000) Dollars in amount.

SECTION II. That said funds for contractual agreement are available under the Urban Planning Assistance Program, Project Number CPA-K-07-1001.

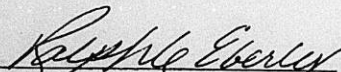
SECTION III. This resolution shall be in full force and effect from and after its adoption.

PASSED AND APPROVED this 28th day of September, 1971.



Jack H. Greene, Mayor

ATTEST:



Ralph C. Eberly, City Clerk

(SEAL)

7. MAPC CASE NO. D-0471 - DEDICATION OF STREET RIGHT-OF-WAY.

For Elm Street between West Street and McComas. Dedicated by N. B. W. Building Corporation, Inc., for street right-of-way as a condition of approval of associated street vacation case, V-0557.

Planning Commission recommends approval. City Manager concurs.

ACTION: Accept the dedication and instruct the City Clerk to file with the Register of Deeds.

8. AN ORDINANCE CHANGING THE ZONING CLASSIFICATION OF LOT 4, BLOCK 4, ROCKWOOD SIXTH ADDITION. MAPC CASE Z-1276.

Deferred from the meeting of September 7, 1971, at the request of counsel for concerned parties. The proposed rezoning is for a property located on the southeast side of Live Oak Lane in an area between Burr Oak and Pagent Lane. Counsel for the applicant is Mr. Charles W. Harris.

This proposed ordinance was placed on first reading at the Commission meeting of August 31, 1971. The Commission directed at that meeting that interested parties be notified of the proposed zoning to permit their appearance if desired.

ACTION: Take such action as the Commission deems to be in the best interest of the public.

9. A RESOLUTION AUTHORIZING THE METROPOLITAN AREA PLANNING COMMISSION TO CONTRACT WITH WICHITA STATE UNIVERSITY FOR UPDATING, EXPANDING AND REFINING CERTAIN ECONOMIC ANALYSIS TABLES.

The final product of the proposed study will be updated input-output tables which will reflect as nearly as possible the current economic status of Sedgwick County by industrial sector. These tables can be useful as a planning tool by allowing the effects of increased or decreased employment in specific sectors to be measured. Further, the tables may allow the city to actively attract new industries.

The MAPD Planning Grant from the Department of Housing and Urban Development includes funds for the conduct of this input-output study. The contract has been negotiated with the WSU Center for Business and Economic Research. The contract is in the amount of \$12,000 as specified in the HUD grant. As local matching funds, the MAPD will provide staff assistance and monitoring.

Director of Planning recommends approval. City Manager concurs.

ACTION: Adopt the resolution.

WICHITA-SEDGWICK COUNTY
METROPOLITAN AREA PLANNING COMMISSION

CONTRACT FOR PERSONAL SERVICES
COMPREHENSIVE PLANNING ASSISTANCE PROJECT

THIS AGREEMENT, entered into as of this 29 day
of September 19 71, by and between WICHITA STATE UNIVER-
SITY CENTER FOR BUSINESS AND ECONOMIC RESEARCH (herein called the
"Contractor") and WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLAN-
NING COMMISSION (herein called the "Planning Agency"),

WITNESSETH THAT:

WHEREAS the Planning Agency desires to engage the Con-
tractor to render certain technical or professional services
hereafter described in connection with an undertaking which is
expected to be partially financed under Section 701 of the Hous-
ing Act of 1954, as amended:

NOW, THEREFORE, the parties hereto do mutually agree as
follows:

1. Employment of Contractor. The Planning Agency hereby
agrees to engage the Contractor and the Contractor hereby agrees
to perform personally the services hereinafter set forth in connec-
tion with the Project of the Planning Agency under Comprehensive
Planning Grant Contract No. CPA-KS-07-16-1001.

2. Area Covered. The Contractor shall perform all the necessary services provided under this Contract in connection with and respecting Sedgwick County, herein called the "planning area":

3. Scope of Services. The Contractor shall do, perform, and carry out, in a satisfactory and proper manner, as determined by the Planning Agency, the following services:

A. Basic Services

The basic purpose of the services provided under this contract is to modify and expand the existing input-output tables for Sedgwick County in such a manner that the end product will be a viable planning tool. To accomplish that purpose, the Contractor will perform services as follows:

Updating of the Sedgwick County Matrix

Through the use of both secondary and primary data sources, the Contractor will update the existing matrix with more recent economic data to reflect as nearly as possible the current economic conditions in Sedgwick County.

Refinement of sector coefficients in the Matrix

To improve the reliability of estimates derived from the use of the Sedgwick County matrix, the Contractor will revise and refine sector coefficients as is necessary. This activity will include the substitution of

new data in sectors where the original data sources may not conform to sectoral definitions and the provision of regional data sources, where possible, for sectors where the original coefficients for the county matrix were imputed, in unadjusted form, from state level imput coefficients.

Additional disaggregation of the Matrix

To extend the use of the matrix as a tool for analysis and planning, the Contractor will provide further sectoral disaggregation, i.e., redefine the sectors so as to provide a more complete exposition of the local economy, to an extent consistent with the availability of reliable data. The degree of feasible disaggregation depends on the extensiveness of data collection coupled with the avoidance of disclosure. No industrial sector shall be set out for inclusion in the matrix that does not meet nondisclosure requirements.

Provision for future updating of the Matrix

Insofar as possible, procedures utilized in performing the services under this contract will be designed to provide a basis for facilitating the periodic partial updating of the Sedgwick County input-output matrix at minimal cost utilizing electronic data processing methods. In some cases, this purpose may require the recommendation of a greater reliance on secondary sources of data

in the future to avoid the continued use of costly survey techniques.

In performing the above listed services, the Contractor will define industrial sectors in terms of the Standard Industrial Classification Code Manual. Sampling techniques will be utilized in the process of collecting primary data. A detailed explanation and delineation of all procedures used by the Contractor will be provided for the Planning Agency.

B. Secondary Services - to be performed if feasible.

In order to maximize the results of expenditures on data gathering, the Contractor will attempt to gather data relating to supplementary purposes to the extent possible under budgeted time and funds. These supplementary purposes include the improvement of labor coefficients designed to indicate labor input requirements for industrial sectors in Sedgwick County and the disaggregation of the import row of the matrix to provide a sectoral import table. The collection of data relating to these items will be performed as a secondary priority and only under circumstances where such data may be obtained in conjunction with the performance of the basic services outlined above.

C. Schedule of Services

The services to be performed under this contract will be conducted in four phases. The phases are as follows:

1. Set-up phase

During this period the Contractor will delineate the initial sectors to be utilized in the matrix, develop data gathering techniques, develop questionnaires for obtaining data from primary sources, and identify appropriate secondary sources. Industrial sectors will be refined in phase 3.

2. Data gathering phase

During this period the data will be obtained, organized, and required adjustments made to provide a basis for construction of the matrix.

3. Construction of the Matrix

During this period the data will be combined, inconsistencies will be removed, follow-up procedures will be taken for additional data as necessary, and the matrix will be constructed.

4. Reports

Monthly progress reports will be submitted to the MAPD on or before the 10th day of each month and a final report will be submitted by June 1, 1972.

The final report shall contain the input-output matrices, all subsidiary tables, a description of all tables, and a detailed discussion of procedures used in data collection and development of the matrices.

D. Budget

PHASE COSTS

Item	Phase 1 One Month	Phase 2 Four Months	Phase 3 Three Months	Phase 4 One Month	Line-Item Total
Personnel:					
Consultants	\$ 500.00		\$ 500.00		\$ 1,000.00
One full-time graduate assistant - 9 months	222.23	\$ 388.88	666.66	\$ 222.23	2,000.00
Three part-time assistants - 4 1/2 months	333.34	2,666.66			3,000.00
Secretarial support - 1 1/2 months full-time equivalent at \$400 per month	200.00			400.00	600.00
Clerical support - 2 months equivalent at \$144 per month		150.00	150.00		300.00
Travel, postage, telephone, reproduction, and supplies	400.00	1,000.00	500.00	100.00	2,000.00
Programming services - 60 hours at \$7.75 per hour		100.00	400.00		500.00
Computer time - 10 hours at \$150 per hour		300.00	1,200.00		1,500.00
Indirect costs at 10% of direct costs	166.00	510.00	342.00	72.00	1,000.00
	Item 3C1	Item 3C2	Item 3C3	Item 3C4	
Total Cost	\$1,821.57	\$5,615.54	\$3,758.66	\$794.23	\$11,990.00

4. Personnel.

A. The contractor represents that he has, or will secure at his own expense, all personnel required in performing the services under this Contract. Such personnel shall not be employees of or have any contractual relationship with the Planning Agency. The Contractor shall utilize the services of Dr. Norman Weed to direct and supervise the work contained in the scope of services.

B. None of the work or services covered by this Contract shall be subcontracted without the prior written approval of the Planning Agency.

5. Time of Performance. The services of the Contractor are to commence on September 1, 1971 and shall be undertaken and completed in such sequence as to insure their expeditious completion in the light of the purposes of this Contract, but in any event all of the services required hereunder shall be completed by June 1, 1972.

6. Method of Payment. The Planning Agency will pay to the Contractor \$12,000.00 which shall constitute full and complete compensation for the Contractor's services hereunder. Such sum will be paid in the following manner, in every case, subject to the receipt of a requisition for payment from the Contractor: Payment each quarter based on the percentage of work completed as stated in the last monthly report less ten (10%) per-

cent of each payment withheld for a final payment by the end of the contract period upon receipt of the final report.

It is expressly understood and agreed that in no event will the total compensation and reimbursement, if any, to be paid hereunder exceed the maximum sum of \$12,000 for all of the services required.

7. Termination of Contract for Cause. If, through any cause, the Contractor shall fail to fulfill in timely and proper manner his obligations under this Contract, or if the Contractor shall violate any of the covenants, agreements, or stipulations of this Contract, the Planning Agency shall thereupon have the right to terminate this Contract by giving written notice to the Contractor of such termination and specifying the effective date thereof, at least 5 days before the effective date of such termination. In that event, all finished or unfinished documents, data, studies, surveys, drawings, maps, models, photographs, and reports or other material prepared by the Contractor under this Contract shall, at the option of the Planning Agency, become its property, and the Contractor shall be entitled to receive just and equitable compensation for any satisfactory work completed on such documents and other materials.

Notwithstanding the above, the Contractor shall not be relieved of liability to the Planning Agency for damages sustained by the Planning Agency by virtue of any breach of the Contract by the Contractor, and the Planning Agency may withhold any payments to the Contractor for the purpose of setoff until such time as the exact amount of damages due the Planning Agency from the Contractor is determined.

8. Termination for Convenience of Planning Agency. The

Planning Agency may terminate this Contract at any time by giving written notice to the Contractor of such termination and specifying the effective date thereof, at least 15 days before the effective date of such termination. In that event, all finished or unfinished documents and other materials as described in Paragraph 7 above shall, at the option of the Planning Agency, become its property. If the Contract is terminated by the Planning Agency as provided herein, the Contractor will be paid an amount which bears the same ratio to the total compensation as the services actually performed bear to the total services of the Contractor covered by this Contract, less payments of compensation previously made: Provided, however, that if less than 60 percent of the services covered by this Contract have been performed upon the effective date of such termination, the Contractor shall be reimbursed (in addition to the above payment) for that portion of the actual out-of-pocket expenses (not otherwise reimbursed under this Contract) incurred by the Contractor during the Contract period which are directly attributable to the uncompleted portion of the services covered by this Contract. If this Contract is terminated due to the fault of the Contractor, Paragraph 7 hereof relative to termination shall apply.

9. Changes. The Planning Agency may, from time to time, require changes in the scope of the services of the Contractor to be performed hereunder. Such changes, including any increase or decrease in the amount of the Contractor's compensation, which are mutually agreed upon by and between the Planning Agency and the Contractor, shall be incorporated in written amendments to this Contract.

10. Equal Employment Opportunity.

A. The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex or national origin. The Contractor shall take affirmative action to ensure that applicants are employed and that employees are treated during employment, without regard to their race, color, religion, sex or national origin. Such actions shall include, but not be limited to the following: employment, upgrading, demotions, or transfers, recruitment or recruitment advertising; layoffs or terminations; rates of pay or other forms of compensation; selection for training including apprenticeship; and participation in recreational and educational activities. The Contractor agrees to post in conspicuous places available to employees and applicants for employment notices to be provided setting forth the provisions of this non-discrimination clause. The Contractor will in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex or national origin. The Contractor will cause the foregoing provisions to be inserted in all subcontracts for any work covered by this contract so that such provisions will be binding upon each subcontractor provided that the foregoing provisions shall not apply to contracts or subcontracts for standard commercial supplies or raw materials.

B. The Contractor shall keep such records and submit reports concerning the racial and ethnic origin of applicants for employment and employees as the Secretary may require.

C. The Contractor agrees to comply with such rules, regulations or guidelines as the Secretary may issue to implement these requirements.

11. Interest of Members of Planning Agency and Others. No officer, member, or employee of the Planning Agency and no members of its governing body, and no other public official of the governing body of the locality or localities in which the project is situated or being carried out who exercises any functions or responsibilities in the review or approval of the undertaking or carrying out of this project, shall participate in any decision relating to this Contract which affects his personal interest or the interest of any corporation, partnership, or association in which he is, directly or indirectly interested or have any personal or pecuniary interest, direct or indirect, in this Contract or the proceeds thereof.

12. Assignability. The Contractor shall not assign any interest in this Contract, and shall not transfer any interest in the same (whether by assignment or novation), without the prior written consent of the Planning Agency thereto: Provided, however, that claims for money due or to become due to the Contractor from the Planning Agency under this Contract may be assigned to a bank, trust company or other financial institution without such approval.

Notice of any such assignment or transfer shall be furnished promptly to the Planning Agency.

13. Interest of Contractor. The Contractor covenants that he presently has no interest and shall not acquire any interest, direct or indirect, which would conflict in any manner or degree with the performance of services required to be performed under this Contract. The Contractor further covenants that in the performance of this Contract no person having any such interest shall be employed.

14. Findings Confidential. Any reports, information, data, etc., given to or prepared or assembled by the Contractor under this Contract which the Planning Agency requests to be kept as confidential shall not be made available to any individual or organization by the Contractor without the prior written approval of the Planning Agency.

15. Officials Not to Benefit. No members of or Delegate to the Congress of the United States of America, and no Resident Commissioner, shall be admitted to any share or part hereof or to any benefit to arise herefrom.

16. Identification of Documents. All reports, maps, and other documents completed as a part of this Contract, other than documents exclusively for internal use within the Planning Agency, shall carry the following notation on the front cover or a title page, (or in the case of maps, in the same block) containing the name of the Planning Agency:

The preparation of this report, map, document, etc., was financed in part through a Comprehensive Planning Grant from the Department of Housing and Urban Development, under the provisions of Section 701 of the Housing Act of 1954, as amended, together with the date (month and year) the document was prepared and the name of the municipality, metropolitan area, or other planning area concerned.

17. All data, field data collection and interview forms, a copy of all computer output, computer source programs, full documentation for computer programs, and machine readable source data shall become the property of the Planning Agency at the completion or termination of the Contract.

18. Publication, Reproduction and Use of Material. No material produced in whole or in part under this Contract shall be subject to copyright in the United States or in any other country. The Planning Agency and HUD shall have unrestricted authority to publish, disclose, distribute and otherwise use, in whole or in part, any reports, data, or other materials prepared under this Contract.

19. Audits and Inspections. At any time during normal business hours and as often as the Planning Agency, HUD and/or the Comptroller General of the United States may deem necessary, there shall be made available to the Planning Agency, HUD and/or representatives of the Comptroller General for examination all of its records with respect to all matters covered by this Contract and will permit the Planning Agency, HUD and/or representa-

tives of the Comptroller General to audit, examine and make all contracts, invoices, materials, payrolls, records of personnel, conditions of employment and other data relating to all matters covered by this Contract.

IN WITNESS WHEREOF the Planning Agency and the Contractor have executed this agreement as of the date first above written.

WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION

By Robert E. Blakey
Robert E. Blakey
Vice Chairman

ATTEST
Robert A. Lakin
Robert A. Lakin, Secretary
(SEAL)

WICHITA STATE UNIVERSITY
CENTER FOR BUSINESS AND
ECONOMIC RESEARCH

By Frederick Sudermann
Frederick Sudermann

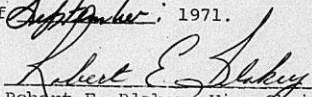
ATTEST
Ralph E. Eberly

R E S O L U T I O N

A RESOLUTION RELATING TO THE AUTHORIZATION OF THE WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING DEPARTMENT TO EXECUTE AND ENTER INTO A CONTRACT WITH WICHITA STATE UNIVERSITY, CENTER FOR BUSINESS AND ECONOMIC RESEARCH, BE IT RESOLVED BY THE WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION:


SECTION I. The Vice-Chairman of the Wichita-Sedgwick County Metropolitan Area Planning Commission is hereby authorized to execute and enter into a contractual agreement with Wichita State University, Center for Business and Economic Research, Wichita, Kansas, for the purpose of updating, expanding and refining the Input-Output tables for Sedgwick County, Kansas for planning purposes; and that agreement shall not exceed a total of Twelve Thousand (\$12,000) Dollars in amount. The Vice-Chairman is hereby empowered to sign all contracts and agreements necessary to execute the aforementioned contract.

ADOPTED this 23rd day of September, 1971.



Robert E. Blakey, Vice-Chairman
Wichita-Sedgwick County Metro-
politan Area Planning Commission

ATTEST:



Robert A. Lakin, Secretary
Wichita-Sedgwick County Metro-
politan Area Planning Commission

(SEAL)

R E S O L U T I O N

A RESOLUTION OF THE BOARD OF COUNTY COMMISSIONERS
OF SEDGWICK COUNTY, KANSAS, AUTHORIZING THE
THE EXPENDITURE OF URBAN PLANNING FUNDS

WHEREAS, the Wichita-Sedgwick County Metropolitan Area
Planning Commission is a legal entity and possesses the powers
and authority to expend Federal funds and other funds;

NOW, THEREFORE BE IT RESOLVED BY THE BOARD OF COMMISSIONERS
OF SEDGWICK COUNTY, KANSAS:

SECTION I. That the Board of Commissioners of Sedgwick
County concur with the action of the Wichita-Sedgwick County
Metropolitan Area Planning Commission and is hereby authorized
to execute and enter into a contractual agreement with Wichita
State University, Center for Business and Economic Research,
Wichita, Kansas, for the purpose of updating, expanding, and
refining the Input-Output tables for Sedgwick County, Kansas,
for economic analysis for planning purposes; and that agreement
shall not exceed a total of Twelve Thousand (\$12,000) Dollars
in amount.

SECTION II. Said funds for contractual agreement are
available under the Urban Planning Assistance Program, Project
Number CPA-KS-07-1001.

ADOPTED BY THE BOARD OF COUNTY COMMISSIONERS OF SEDGWICK
COUNTY, KANSAS, this 6th day of October, 1971, and after
due consideration of all members being present and voting as
follows:

Elmer Peters	<u>Ass</u>
Earl Rush	<u>Ass</u>
Tom Scott	<u>Ass</u>

DATED AT WICHITA, KANSAS, this 6th day of October, 1971.

BOARD OF COUNTY COMMISSIONERS OF SEDGWICK COUNTY, KANSAS

<u>Elmer Peters</u>	Chairman
Elmer Peters	
<u>Earl E. Rush</u>	Commissioner
Earl Rush	
<u>Tom Scott</u>	Commissioner
Tom Scott	



Marie Garden, County Clerk
Marie Garden, Deputy

September 13, 1971

John Dekker, Director of Law

Willard L. Stockwell, Chief Planner

Contract Review

Attached please find a copy of a proposed contract between W-SCMAPC and Wichita State University for an Input-Output Economic Analysis. This study is funded as a part of the city's 701 grant.

Would you please review the document as to legality and form on or before Wednesday, September 15, 1971. We need to get this before the Planning Commission at their next meeting. Your cooperation in this matter will be greatly appreciated.

WLS:BH:ls
Attachment

tives of the Comptroller General to audit, examine and make all contracts, invoices, materials, payrolls, records of personnel, conditions of employment and other data relating to all matters covered by this Contract.

IN WITNESS WHEREOF the Planning Agency and the Contractor have executed this agreement as of the date first above written.

WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION

By _____
Floyd Souders, Chairman

ATTEST:

Robert A. Lakin, Secretary
(SEAL)

WICHITA STATE UNIVERSITY
CENTER FOR BUSINESS AND
ECONOMIC RESEARCH

By _____
Frederick Sudermann

ATTEST:

The above instrument approved as to form

this 15th day of September 1971
John A. Lakin
City Attorney

August 5, 1971

Fred Sudermann, Program Director
Governmental Programs and Research
Wichita State University
Wichita, Kansas 67208

Subject: Contract for Economic
Analysis: Input-Output
Tables

Dear Fred:

At their regular scheduled meeting on July 22, 1971, the Wichita-Sedgwick County Metropolitan Area Planning Commission authorized me to negotiate a contract with the Center for Business and Economic Research at Wichita State University to provide their expertise and abilities toward expansion and refinement of the Input-Output Tables for Sedgwick County.

We have been notified by the Department of Housing and Urban Development that our application for a planning grant has been approved and we are now funded to undertake the proposed work program in economic analysis. Federal grants of this type are funded for one year and all work under our HUD work program must be completed by June 1972. It is necessary therefore that we write this contract and have it approved by the various governing bodies of Wichita and Sedgwick County and proceed on the work as soon as possible.

Bill Stockwell on my staff has been discussing the proposed work with Dr. Woodard. However, it would probably be helpful to meet to discuss contracting procedures and clear any procedural items you may have and determine precisely who the contracts are to be with, standard clauses, etc. In that interest I suggest that a

Page 2 - Input-Output Tables - August 5, 1971

meeting be held August 11, at 1:30 p.m. either at WSU or our office. Bill will be sitting in for me and if that day and time is acceptable to you and the representatives of the Center for Business and Economic Research will you please confirm the meeting by phone with Mr. Stockwell.

Sincerely yours,

Robert A. Lakin
Director of Planning

RAL:bbh

cc: Dr. Francis Woodard, WSU
Willard L. Stockwell, MAPD

WICHITA SEDGWICK COUNTY

DATE
September 14, 1971

METROPOLITAN AREA PLANNING DEPARTMENT

TO Willard Stockwell, Chief Planner, Advance Plans Division
FROM Bob Hawbaker, Junior Planner, Advance Plans Division
SUBJECT Input-Output Contract

The following paragraph was inadvertently omitted from the current version of the contract for the Input-Output study by WSU. Please add it to section 3C4, at the bottom of page 5.

"The final report shall contain the input-output matrices, all subsidiary tables, a description of all tables, and a detailed discussion of procedures used in data collection and development of the matrices."

BH:bh

cc: John Dekker, Director of Law

September 8, 1971

Robert A. Lakin, Director of Planning

Robert Hawbaker, Junior Planner

Proposed Changes in Input-Output Contract

1. Delete Section D on page 4, and insert Attachment I, Phase Costs.
2. At the end of the last sentence of the last paragraph on page 3, add the following:

"Each monthly report shall contain a statement of the percentage of work completed to date or since the last monthly report."
3. Delete from the first paragraph of Section 6, Method of Payment, on page 5, and insert the following:

"6. Method of Payment. The Planning Agency will pay to the contractor no more than \$12,000.000 which shall constitute full and complete compensation for the Contractor's services hereunder. Such sum will be paid in the following manner, in every case, subject to the receipt of a requisition for payment from the Contractor: Payment each quarter based on the percentage of work completed as stated in the last monthly report less ten (10%) percent of each payment withheld for a final payment by the end of the contract period upon receipt of the final report.

RH:ber

WICHITA-SEDGWICK COUNTY

DATE

September 21, 1971

METROPOLITAN AREA PLANNING DEPARTMENT

TO Kenneth Beck, Sedgwick County Counsellor
FROM Robert Hawbaker, Junior Planner
SUBJECT Approval of Contract for Form

The Metropolitan Area Planning Department has negotiated the attached contract for Personal Services with Wichita State University. The contract calls for an Input-Output study to be conducted for Sedgwick County.

Would you please review this contract for legal form? John Dekker, Wichita Department of Law, has approved it for form. The City Commission will consider a resolution regarding the contract on Tuesday, September 28. The Planning Commission will consider the contract on Thursday, September 23. We would like to get a resolution for the County Commission on the agenda for Wednesday, September 29.

If you have any questions about this contract, feel free to call me.

RH:bh

COPY

WICHITA-SEDGWICK COUNTY

DATE

METROPOLITAN AREA PLANNING DEPARTMENT

April 16, 1971

TO Wichita-Sedgwick County Metropolitan
Area Planning Commission

FROM Robert A. Lakin, Director of Planning *RAL*

SUBJECT 701 Application - Federal Funds - MAPC

The Department is preparing to submit on behalf of the Metropolitan Area Planning Commission a request for 701 planning funds from HUD. This is being done primarily at the request of HUD, but the projects included therein are those that are part of our work program which lack sufficient funding at the present time.

A brief description of the work items contained within the program is as follows:

1. Economic Analysis

- a. It is proposed, utilizing Wichita State University or similar expertise, to update the input-output tables developed for Sedgwick County by the State of Kansas. The update of these tables will provide a clear picture of our economy as it stands today.
- b. The further expansion of the table into more definitive breakdowns.
- c. The development of labor co-efficients by industry which will assist in manpower development programming.
- d. The development of input substitution tables which will give us a guide as to those types of industries which would be most beneficial to induce into the Wichita economy.

Consultant Services	\$12,500
MAPD	1,200
Total Project	<u>\$13,700</u>

2. It is proposed to develop capital improvement programs for Sedgwick County and the other cities within Sedgwick County so that those programs together with the City of Wichita's capital improvement program can be coordinated with the overview of seeing that projects generally conform to the goals and objectives of the entire area. This would insure that there are no overlaps or duplication of facilities proposed. This also provides an opportunity to be alert for when governing bodies should work together on nearby or mutually supportive projects.

MAPD	\$19,670
Total project	\$19,670

3. The census data as it becomes available would be examined and information retrieved from the various census tapes. This would be done to develop profiles of the population of Wichita by census tract which would include these census criteria. This data will assist in evaluation of CDA programs and can be used to identify to greater detail problems or potential problems which have been somewhat illusive as we have only had 1960 data to work from. Also, this data would be prepared in such a form as to be displayed for popular consumption, rather than just simply tabular forms.

MAPD	\$11,500
Total project	\$11,500

4. The MAPC is required to review a myriad number of project applications for Federal funds under Bureau of the Budget A-95 procedures. The cost of performing this service is an eligible cost for 701 funding and can be used primarily to develop the matching funds required for other activities in this application.

MAPD	\$ 7,100
Total project	\$ 7,100

5. It is proposed to continue work on the housing plan element, including work items set forth therein. Specific proposals will be to take the data collected from the Urban Renewal Social Survey and material collected by MAPC in the County Assessor's annual survey, to estimate demand requirements for housing within the immediate future for the Sedgwick County area. This would be particularly helpful in developing support for or determining the needs of Federally assisted housing projects. The second major part of this project would be site identification for Breakthrough and/or federally assisted housing projects. This would include the identification of the site, determination of costs, availability, adequacy of zoning, potential for rezoning, if needed, relationship to work and to community facilities, providing preliminary design services for the site and estimating the cost of improvements if the site was to be utilized for housing. An additional item in the housing area is to develop for the unincorporated area of the County a set of construction codes. Much of the substandard development that is being eliminated within the City of Wichita is resettling on the urban fringe. This means that as the cities grow, this development will be reabsorbed and the

job will have to be done once again. The utilization of construction codes will assist in elimination of blight in the urban area.

Consultant services	\$15,000
MAPD	4,100
Total project	<u>\$19,100</u>

6. It is proposed to continue the development of a newsletter to increase interest in planning activities and to provide information to the citizens and those having particular interest in planning programs, such as the governing bodies within Sedgwick County, all planning commissions, Model Cities residents and those involved in the development related industries - construction, finance, etc. Approximately six issues, including an annual report, would be developed. (This project may require modification in the event the City of Wichita develops a newsletter compatible with MAPD's needs for not only the City but for the areawide planning jurisdiction.)

MAPD	\$ 7,000
Total project	<u>\$ 7,000</u>

Summary

Total consultant	\$27,500
Total MAPD	61,570
Total Request	89,080
Federal Share (2/3)	59,379
Local Share (1/3)	29,692

It is requested that the MAPC approve the submission of these requests and authorize the Chairman and Secretary to sign and submit an application to HUD, subject to the City's and County's concurrence.

RAL:ber

Subject: A Proposal for the Refinement and Updating of an Input-Output Model of the Economic Structure of Sedgwick County, for use as an instrument of Analysis and Economic Development Programming.

Background

Sedgwick County contains the largest urban area in the state of Kansas and constitutes the industrial center of the state, accounting for approximately 25-30% of the total manufacturing output of the state. The county has historically been heavily dependent on the aerospace industry for employment and income opportunities, this sector alone having accounted for over 45% of the county's manufacturing output as recently as 1965. Sedgwick county and the city of ~~Wichita~~ necessarily play a vital role in the industrial development of the state of Kansas, both in the internal elaboration and development of industrial specialization and complementarity, and in the development of basic export industries which account for a substantial part of incomes accruing from without the state and region.

The current widely publicized decline in production in the aerospace industry and the general economic slowdown have had a major impact on the local economy of Sedgwick county and upon the state of Kansas. The cost, in terms of unrealized production possibilities, unemployment, tax revenue losses, welfare and unemployment compensation costs and economic displacement of individuals and families cannot readily be estimated. It is clear, however, that such costs include the loss of valued highly skilled members of the community who have been led to emigrate in search of employment while the burden of local unemployment falls disproportionately upon the relatively unskilled workers and minority group members for whom

immigration offers no superior economic alternatives.

The need for increasing employment opportunity among Wichita's unskilled workers and minority group members is well recognized and continuing efforts to create opportunities are being made by local agencies. These efforts have been directed toward solicitation of new industry and the solicitation of increased federal spending principally in the aerospace industry for the Sedgwick county area. Other efforts directed toward the upgrading of skills and manpower development have been undertaken with the objective of increasing the employability of trainees. These efforts have not been entirely unsuccessful. Designation of Sedgwick county as a redevelopment area by the Economic Development Administration contributed materially to the initiation of a drainage project leading to the development of an industrial park and future employment opportunities. Similarly, federal funding of the activities of agencies such as Model Cities, Urban Renewal, and the Wichita Area Community Action Program have had unquestionably stimulative effects on the local economy in terms of income and employment opportunities.

Despite the merit of policies designed to provide near-term employment opportunities, there is a clear need for longer range economic planning to promote the industrial diversification needed for local economic stabilization and growth of employment and entrepreneurial opportunities. Planning of this kind means that a continuing search for products purchased by Wichita firms and produced outside the area must be made. Upon identification of potential economic opportunities of this sort, a determination of the feasibility of local production in view of the availability of the necessary labor skills, local availability of material inputs, relevant unit costs of production, and availability of investment finance is re-

quired. Upon a determination of feasibility, specific inquiry regarding prospective producers, coordination with state and local industrial development agencies, satisfaction of manpower requirements in terms of placement services, administrative organizations and training facilities is a necessary final step in implementation of economic development policy.

In planning for economic development, the question of primary importance concerns the nature of internal and external linkages of the economy under consideration. Input-output models of the structure of such linkages have become widely used tools of regional economic analysis and development planning since the pioneering work in this field in the early 1950's. Such models represent essentially a system of regional accounts which provide a quantitative cross-tabulation of economic transactions and claims. Conceptually, an input-output table may be divided into four components. The "final demand" sector shows the disposition of the goods and services produced by sectors defined for a particular region. Among such ultimate users are households, government and exports to extra-regional purchasers. The "transactions table" reflects the intermediate or inter-sector transactions within the region involved in the process of producing final goods and services. The "primary-input" section reflects the sources and uses of so called primary inputs as distinguished from processed materials used in production, for example, labor supplied by households, and it reflects the use of such inputs purchased from extra-regional suppliers. The final component represents direct or final use of primary factors or inputs. Such a system provides the basis for analytical concepts of great power and utility in planning and implementation of economic development programming.

The Proposal

An Inter-Industry study of Kansas by the State Industrial Development Division generated some of the basic data required for construction of an input-output table for Sedgwick county. This project was subsequently undertaken and a transaction matrix for Sedgwick county constructed in 1969. The data for this table included some primary information collected in conjunction with the larger State Inter-Industry study. Some secondary sources were relied upon and in some cases data was judgementally allocated to the various sectors. This table and the sectoral income, employment and output multipliers derived therefrom, provide a potentially powerful economic instrument for regional economic analysis and development planning. There are, however, several factors which limit the value of this study for current economic analysis.

- 1) The statistical data used in construction of the Sedgwick county input-output table is largely obsolete in the light of current economic conditions in Sedgwick county. Obsolescence of data is a problem common to all input-output studies but the accelerated obsolescence in the case of the Sedgwick County table due to major changes in economic conditions, particularly as related to the aerospace industrial sector, having occurred subsequent to its completion destroys much of the potential value of this table.
- 2) Data for many of the sectors involved in the Sedgwick County input-output table were derived from secondary sources and in many cases imputed on the basis of aggregative state input coefficients. In many instances, the secondary data sources do not conform to the

sectoral definition used in the table. Estimates based upon state input coefficients may be expected to yield reasonably good results for a region structurally representative of the state. This is not the case for Sedgwick County, however, and as a result the reliability of estimates so arrived at is lessened.

3) Related to the preceding question of data sources is the question of the degree of sectoral disaggregation desirable and feasible for an input-output table intended for use in economic development planning. The sectors in the Sedgwick county table, in general, represent a considerably greater degree of aggregation than is the case for the state study. Such aggregation resulted from the need to avoid disclosure of individual primary data, the lack of disaggregated county data in the state sectoral information utilized, and as a concession to the structural differences between the Wichita area and the rest of the state. Greater, rather than less, disaggregation is needed for regional economic analysis and planning. Clearly, the incentives for aggregation in this case can be greatly reduced by better and more extensive data collection.

4) Economic analysis by regional input-output models is particularly useful as a means of determining input requirements for various sectoral output changes in order that the availability of such inputs may be ascertained. This is particularly important in the case of labor requirements since the availability of suitable labor resources is frequently a critical factor in plant location decisions. The existing input-output table for Sedgwick county is deficient in this critically important respect in the method utilized in estimating labor requirements. The estimating procedure employed involved

historical sectoral output/employment ratios which distorts the actual sectoral labor requirements unless rather exacting technical conditions are satisfied, one of which is the absence of excess productive capacity. The establishment of labor requirements on the basis of estimated functional relationships between input and sectoral output is necessary for effective use of the input-output model for planning under less restrictive assumptions.

5) The use of the Sedgwick county input-output table as a means of identifying import-substitution processes for potential developmental projects is severely hampered by the lack of an Import Direct-Requirements table. For such a table to be constructed, thus providing identification of the value and type of sectoral import requirements, a substantially greater degree of disaggregation than characterizes existing studies is required. Such a table is of obvious significance for economic development planning.

It is proposed that the Center for Business and Economic Research undertake the task of refining and updating the existing input-output table for Sedgwick county; that it set up a system of regional accounts making use of secondary data sources where possible and primary data sources as necessary in order that the table might be periodically updated and that specific modification be effected such that accurate sectoral labor requirements and direct import requirements may be generated on the basis of the proposed revised table.

Time Period and Budget Estimates

It is anticipated that the initial revision, refinement and updating of the Sedgwick County input-output table will employ the resources of the Center for Business and Economic Research, on a part-time basis, over

a one year period. Subsequent updating, it is anticipated, may be accomplished by a substantially smaller resource utilization over a much shorter period of time. It is anticipated that the initial first-year costs will be as follows:

Staff supervisory services, 3 persons 10% of full time of two, 50% of full time for one person	\$14,000
Two graduate assistants, 20 hrs. per week, twelve months	7,000
One full-time research assistant	7,500
Travel, postage, telephone, supplies	3,500
Secretarial and clerical support	4,000
Programming and computer services	10,000
Use of office facilities and equipment	3,000
Total Cost	\$49,000

It is proposed that Wichita State University and the Center for Business and Economic Research contribute \$17,000 in office, computer and secretarial services toward the total cost and the remaining \$32,000 be funded by the addressed agency.

It is anticipated that annual updating of the Sedgwick County Input-Output table will require the following resources.

One full-time project director, ^{20% time} two mos.	\$3,500
One full-time research assistant	2,000
Secretarial and clerical support	750, 1,500
Travel, postage, telephone materials	500
Programming and Computer service	2,500
Use of office facilities and equipment	250
Total Recurring Cost	\$8,000

810,000
10,000