

COMMERCIAL DOCK
AND
TOFC SURVEY INSTRUCTIONS

1975

Prepared by

Office of Advance Planning
Division of Planning and Research
Iowa Department of Transportation

In Cooperation with the

United States Department of Transportation
Federal Highway Administration

INTRODUCTION

During June and July of 1975 field surveys will be conducted at all commercial dock locations within Iowa. Surveys will also be conducted at all terminals where truck-trailers are loaded on railroad flat cars for transport (TOFC terminals). The purpose of these surveys is to obtain extensive data on the movement of freight through each terminal. Data regarding total shipments by commodity, final origins and destinations of freight movements, and any proposed expansions of facilities will be collected.

There are approximately 80 commercial docks in Iowa located along the shores of the Missouri and Mississippi Rivers. TOFC terminals number approximately 60, and are scattered across the state and located primarily near the larger communities. The following pages outline the methods and procedures for the collection of field data at each location.

PART I

COMMERCIAL DOCK SURVEY

Data will be collected through personal interviews with the owner, operator, or company representative at each location. A list of the names and locations of all facilities along with maps showing each location will be provided for use in the field. The data collected at each location will be recorded on the three forms shown in Figures I, II, and III. Following are detailed instructions for recording data on each form:

Figure I. General Information Questionnaire

1. Enter the name of the company, location, and brief description of the access to the facility. The location should include the city or town and a street address or rural route number if possible; if no street address is available, enter a brief description of the location.
2. Enter the name of the owner or operator of the facility, the name of the person you are interviewing (if different from owner-operator) and the telephone number of the facility.
3. Enter the commodities shipped from the facility by barge (loaded on barges).
4. Enter the commodities received at the facility by barge (unloaded from barges).
5. A list of the storage facilities at each location will be made available to the field crews. If the storage facilities on

the list are correct simply enter a check mark here. If additions have been made to the storage facilities, enter these additions here.

6. A list of the handling facilities at each location will be made available to the field crews. If the handling facilities on the list are correct simply enter a check mark here. If additions have been made to the handling facilities, enter these additions here.
7. Enter the month when annual operations begin and end.
8. Enter the months of peak, normal, and slow operation. Example:
Peak: June - September
Normal: September - November
Slow: March - May
9. Obtain the operator's best estimate of the growth of the operation over the last five and ten year period and enter percent of growth.
10. Obtain information on any proposed expansions in operations or any proposed new facilities and enter details here.

The Barge Terminal Survey Form (Fig. II) will be used to analyze the flow of barges at each terminal. This information will be obtainable from the operator's log book. The City, Company, Manager, and Phone Number will be entered in the upper left hand corner. Each month's total number of barges will be entered.

The form is designed to separate outgoing from incoming barges. For each month's operation it will be necessary to enter the percent of commodity handled by rail or truck. The total commodity shipped or received for the year will be entered on the second part of the form. The commodity will be entered in Tons, Gallons, Bushels or Barrels. Some commodities may be described by more than one measure. The normal size barge handled at the facility, and amount of time involved loading or unloading will be recorded.

If at all possible the origin or destination by percent of the barges for the year will be obtained. It is essential that a separate form be used for each commodity type.

The Truck Trip Dispersion Form (Fig. III) will be used to analyze the origin or destination of trips through each terminal. This information will normally be taken from the operator's daily log. If no daily log is available it may be obtainable through questioning the operator.

A variation of traffic may occur, such as Peak, Normal and Slow. A full day's information will be gathered for each. If more than one commodity is handled, a separate form will be used. The City, Company, Season, Date, and Commodity will be recorded in the upper right hand corner. The Origin or Destination need only be entered once; however, the total number of Single Units (S.U.) or Truck-Tractor Semi-Trailer (TTST) must be recorded.

COMMERCIAL DOCKS
IOWA SHORES
Schedule Summer 1975

ROCK ISLAND DISTRICT

<u>Day</u>	<u>Miles Above Ohio River</u>	<u>Location</u>	<u>Owner or Operator</u>
1	512.2	Camanche (Beaver Slough)	Determann Blacktop, Inc.
1	513.5	Clinton (Beaver Slough)	Acme Fuel and Materials Co.
1	513.9	Clinton (Beaver Slough)	E. I. DuPont DeNemours, Inc.
1	514.2	Clinton	Interstate Power Co.
1	517.7	Clinton	Lewis & Lawson Harbor Service
2	517.5	Clinton	City of Clinton - Northern Waterways Terminals Corp.
2	517.5	Clinton (Beaver Slough)	Clinton Corn Processing
2	517.2	Clinton (Beaver Slough)	Fronings, Inc.
2	521.0	Clinton	Carnes Oil Co.
3	362.0	Keokuk	Foote Mineral Co. (KEMCO)
3	362.3	Keokuk	J. C. Hubinger Co.
4	371.1	Galland	Walter E. Caldwell
4	374.9	Montrose	Hunold Elevator, Inc.
5	381.0	Fort Madison	First Miss., Inc.
5	389.0	Fort Madison	First Miss., Inc.
5	390.0	Green Bay Landing	Green Bay Grain Co.

<u>Day</u>	<u>Miles Above Ohio River</u>	<u>Location</u>	<u>Owner or Operator</u>
6	399.4	Burlington	Tuloma Gas Products Co.
6	403.6	Burlington	Archer-Daniels-Midland
6	404.1	Burlington	City of Burlington - Strum Freightways
6	404.4	Burlington	Wayne Brothers Grain Co.
7	404.5	Burlington	Yetter Oil Company
7	405.2	Burlington	Wayne Brothers Grain Co.
7	405.3	Burlington	A. G. Stevenson
7	418.2	Des Moines County	Farmers Grain Dealers, Inc. (Meekers)
8	450.3	Muscatine	Farmland Industries, Inc.
8	451.3	Muscatine	River Terminal Corp.
8	452.9	Muscatine	Muscatine Municipal Electric Co.
8	453.8	Muscatine	Grain Processing Co.
9	453.25	Muscatine	Farmers Grain Dealers
9	454.2	Muscatine	Central Soya Co.
9	455.2	Muscatine	Lee I. Osborn
9	455.3	Muscatine	Central Soya Co.
10	468.0	Montpelier	Eastern Iowa Light & Power Coop.
10	469.8	Buffalo	Cargill, Inc.
10	474.7	Linwood	Dewey Portland Cement Co.
10	475.5	Linwood	American Oil
10	475.7	Linwood	Pillsbury

<u>Day</u>	<u>Miles Above Ohio River</u>	<u>Location</u>	<u>Owner or Operator</u>
11	476.0	Buffalo	Mississippi River Grain Elevator, Inc.
11	483.2	Davenport	Builders Sand & Gravel Co.
11	483.3	Davenport	Alter Waterway Terminal Co.
12	483.3	Davenport	International Multi-Foods Co.
12	486.8	Bettendorf	Universal Atlas & Cement Co.
12	487.0	Bettendorf	Mobil Oil Co., Inc.
12	487.0	Bettendorf	Shell Oil Co.
12	487.1	Bettendorf	The American Co.
13	487.2	Bettendorf	Phillips Petroleum Co.
13	487.5	Bettendorf	Bettendorf Terminal Co.
13	487.7	Bettendorf	The Texas Company
13	488.5	Bettendorf	W. H. Barber Co.
14	498.2	LeClaire	LeClaire Quarries, Inc.
14	558.7	Bellevue	Bellevue Sand & Gravel Co.
14	559.0	Bellevue	U.S.S. Agri. Chem. Co., Inc.
15	579.2	Dubuque	PASCO Marketing, Inc.
15	579.3	Dubuque	City of Dubuque Dock Commission
15	579.4	Dubuque	Inland Molasses Corp.
16	579.5	Dubuque	Molo Sand & Gravel Company
16	580.0	Dubuque	Interstate Power Co.
16	580.0	Dubuque	Swift Chemical Co.

<u>Day</u>	<u>Miles Above Ohio River</u>	<u>Location</u>	<u>Owner or Operator</u>
17	580.1	Dubuque	Dubuque Oil Co.
17	580.3	Dubuque	Olin Mathieson Co.
17	580.3	Dubuque	Thru-Put Terminal
17	582.6	Dubuque	Perfection Oil Co.

COMMERCIAL DOCKS
IOWA SHORES
Schedule Summer 1975

ST. PAUL DISTRICT

<u>Day</u>	<u>Miles Above Ohio River</u>	<u>Location</u>	<u>Owner or Operator</u>
18		Clayton	Patterson Grain Terminal
18	633.3	McGregor	Farmers Grain Dealers Assn.
18	660.0	Lansing	Interstate Power Company

COMMERCIAL DOCKS
IOWA SHORES
Schedule Summer 1975

OMAHA DISTRICT

<u>Day</u>	<u>Miles Above River Mouth</u>	<u>Location</u>	<u>Owner or Operator</u>
19	554.3	Hamburg	Reid Grain Co.
19	587.4	Pacific Jct.	
19	614.4	Council Bluffs	Iowa Peavey Co. of Omaha
20	614.1	Council Bluffs	Terminal Packaging Corp.
20	614.45	Council Bluffs	Iowa Farmland Industries
21	716.6	Sioux City	Borden Chemical Co. (Smith-Douglas Division)
21	718.7	Sioux City	Terra Chemicals International
21	727.5	Sioux City	Jebro, Inc.
22	727.8	Sioux City	Terminal Grain Corp. (Big Soo Terminal Dock)
22	731.2	Sioux City	Kay Dee Feed Co. - Nutra Flo
22	731.4	Sioux City	Municipal Dock (City)
22	731.7	Sioux City	L. G. Everist

PART II

TOFC TERMINAL SURVEY

Data will be obtained through interviews with station agents at each location. A list of the terminals will be provided for use in the field. Data obtained through each interview will be recorded on the forms shown in Figures I and II. Following are detailed instructions for the recording of data on each form.

Figure I. General Information Questionnaire

1. Enter the name of the city in which the terminal is located and the name of the Railroad Company.
2. Enter the street address of the terminal; if not available, enter a brief description of the location.
3. Enter the year in which initial TOFC operations began and obtain agent's estimate of the size of the operation at that time.
4. If possible, obtain the total number of trailers through the terminal annually over the past five years. If this information is not available, obtain the station agent's estimate of the annual growth rate of the operation.
5. Obtain any information on proposed future expansions.

The Trailer-on-Flatcar Survey Form (Fig. II) will include such information as City, Agent, Phone Number, and Railroad. This information will be entered in the upper right hand corner.

For each month of operation in 1974, and the first five or six months of 1975, the number of trailers handled at the terminal will be recorded. If at all possible the number of trailers loaded or empty will be recorded separately.

At the bottom of the form the major shippers in or out of the terminal will be recorded. Included with this information the city, commodity, and the percent of total the shipper has of the freight business should be gathered.

TOFC TERMINAL SURVEY
GENERAL INFORMATION
QUESTIONNAIRE

1. City and Railroad Company:

2. Location:

3. Year TOFC Operations Began:

4. Number of Trailers Through Terminal Over Past Five Years:

1969 _____

1970 _____

1971 _____

1972 _____

1973 _____

5. Proposed Expansions:

TOFC TERMINAL SURVEY
IOWA DEPARTMENT OF TRANSPORTATION

TRAILER DATA

City _____
 Agent _____
 Phone _____
 Railroad _____
 1974 _____ 1975 _____

Month	No. Trailers Out		No. Trailers In		No. Trailers Out		No. Trailers In	
	Loaded	Empty	Loaded	Empty	Loaded	Empty	Loaded	Empty
January								
February								
March								
April								
May								
June								
July								
August								
September								
October								
November								
December								

Major Shippers (Out)	City	%	Commodity
Major Shippers (In)	City	%	Commodity
Fig. II			

TOFC TERMINALS
SURVEY SCHEDULE

Summer 1975

LEGEND - RAILROAD COMPANIES

<u>Company Name</u>	<u>Abbreviation</u>
Chicago Rock Island & Pacific Railroad Co.	C.R.I.P.RR
Chicago Milwaukee St. Paul & Pacific Railroad	C.M.ST.P.&P.RR
Chicago & North Western Railway Co.	C.NW RY
Burlington Northern, Inc.	B.N.RR
Illinois Central Gulf Railroad Co.	I.C.G.RR
Atchison Topeka & Santa Fe Railway Co.	A.T.S.F.RY
Norfolk & Western Railroad Co.	N.W.RY

TOFC TERMINALS
SURVEY SCHEDULE

Summer 1975

<u>Day</u>	<u>City</u>	<u>Railroad</u>
1	Clinton	B.N. - C.NW - C.R.I.P.
3	Keokuk	B.N.
5	Fort Madison	A.T.S.F. - B.N.
6	Burlington	B.N. - C.R.I.P.
8	Muscatine	C.R.I.P.
11	Davenport	C.M.ST.P.&P.
12	Nahant	C.M.ST.P.&P.
15	Dubuque	B.N. - I.C.G. - C.M.ST.P.&P.
18	Postville	C.M.ST.P.&P.
19	Pacific Junction	B.N.
20	Council Bluffs	B.N. - C.NW - C.R.I.P. - I.C.G. - C.M.ST.P.&P. - N.W.
21	Sioux City	B.N. - C.NW - I.C.G. - C.M.ST.P.&P.
22	LeMars	I.C.G.
22	Cherokee	I.C.G.
22	Storm Lake	I.C.G.
23	Spencer	C.M.ST.P.&P.
23	Estherville	C.R.I.P.
23	Mason City	C.NW - C.R.I.P. - C.M.ST.P.&P.
24	Fort Dodge	C.NW - I.C.G.

<u>Day</u>	<u>City</u>	<u>Railroad</u>
24	Iowa Falls	C.R.I.P.
24	Waterloo	C.NW - C.R.I.P. - I.C.G.
25	Marion	C.M.ST.P.&P.
25	Cedar Rapids	C.NW - C.R.I.P. - C.M.ST.P.&P.
26	Iowa City	C.R.I.P.
26	Newton	C.R.I.P.
26	Des Moines	B.N. - C.NW
27	Des Moines	C.R.I.P. - C.N.ST.P.&P. - N.W.
28	Fairfield	C.R.I.P.
28	Ottumwa	C.R.I.P.
29	Creston	B.N.
29	Glenwood	B.N.
30	Denison	C.NW - I.C.G.
30	Boone	C.NW
30	Marshalltown	C.NW

TERMINAL: _____

LOCATION: _____

COMMODITY FLOW

YEAR _____

COMMODITY	TONS SHIPPED OUT BY BARGE	% SHIPPED IN BY		TONS RECEIVED BY BARGE	% SHIPPED OUT BY	
		TRUCK	RAIL		TRUCK	RAIL
TOTAL						

MONTHLY BARGE MOVEMENTS

YEAR _____

MONTH	BARGES SHIPPED	BARGES RECEIVED
JANUARY		
FEBRUARY		
MARCH		
APRIL		
MAY		
JUNE		
JULY		
AUGUST		
SEPTEMBER		
OCTOBER		
NOVEMBER		
DECEMBER		
TOTAL		

RAILROAD: _____

TERMINAL LOCATION: _____

YEAR: _____

MONTHLY TRAILER VOLUMES

MONTH	NUMBER OF TRAILERS LOADED ON FLATCARS		NUMBER OF TRAILERS UNLOADED FROM FLATCARS		TOTAL NUMBER OF TRAILERS THROUGH FACILITY
	LOADED	EMPTY	LOADED	EMPTY	
JANUARY					
FEBRUARY					
MARCH					
APRIL					
MAY					
JUNE					
JULY					
AUGUST					
SEPTEMBER					
OCTOBER					
NOVEMBER					
DECEMBER					
TOTAL					

TERMINAL: _____

LOCATION: _____

ORIGIN OR DESTINATION OF BARGE FREIGHT BY COMMODITY
YEAR _____

ORIGIN OR DESTINATION	% OF TOTAL	ORIGIN OR DESTINATION	% OF TOTAL	ORIGIN OR DESTINATION	% OF TOTAL	ORIGIN OR DESTINATION	% OF TOTAL

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