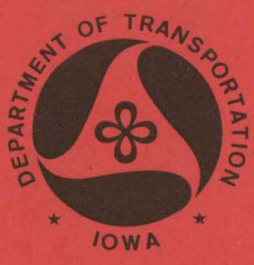


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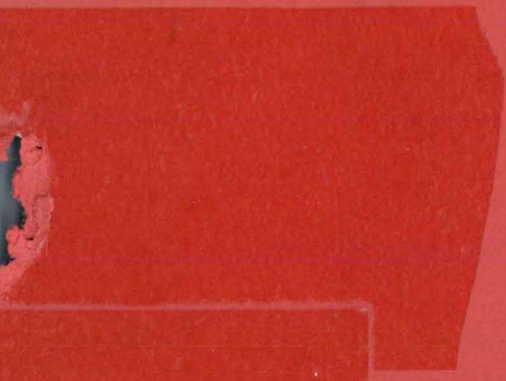
IOWA DEPARTMENT OF TRANSPORTATION
Ames, Iowa



CONTINGENCY PLAN
for
NUCLEAR POWER STATIONS

COMPLEMENT
to the
IOWA EMERGENCY PLAN

Iowa Department of Transportation
Library
800 Lincoln Way
Ames, Iowa 50010



**17-T68
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1981**

Prepared by: T. E. McElherne
Office of Specifications
and Emergency Operations
April, 1981

NUCLEAR POWER PLANT EMERGENCY

The Office of Disaster Services will notify the Motor Vehicle Division Permit Center of each incident at a nuclear power plant that creates or may create an emergency in Iowa. This is in accordance with the IOWA EMERGENCY PLAN.

The Permit Center Supervisor will notify the district office for the concerned district or districts and the Office of the Transportation Director. If the message indicates that the State Emergency Operations Center may be activated or that an immediate State response may be necessary, the District Engineer and the Transportation Director or their alternates should be notified at home, if during nonworking hours.

When the State EOC is to be activated, the Transportation Director or an alternate he designates will represent the Department in the State EOC, located in the Office of Disaster Services, Level A, Hoover Office Building, Des Moines. When the Director is to be represented by an alternate, the Director should notify the Office of Disaster Services to provide for security clearance. The representative should promptly notify all division offices of the Department, the Permit Center Supervisor, and the concerned district office or offices of the operation, confirm telephone access, and otherwise assure prompt communication with these offices. Other district offices should also be notified. The Director's alternate should also assure prompt communication with the Director's Office.

The State EOC will operate according to the IOWA EMERGENCY PLAN. All Department communications concerning the emergency should be to and from the State EOC. All communications from the Director's alternate are to be considered as communications from the Director. At his discretion, the Director may define the limits of authority for his alternate. An alternate should keep the Director informed.

The District Engineer of the concerned district or districts should inform his district office staff and concerned resident maintenance engineers and assure communications.

The authenticity of any message may be verified by returning the call using a known telephone number. This procedure should be followed when there is doubt.

The State EOC (Office of Disaster Services) telephone: (515) 281-3231
The DOT telephone in State EOC (515) 281-8756

Time, subsistence and vehicle usage to be charged to these operations, including exercises, shall be to the function code normally used plus the following project control numbers:

90 00 NUCL 001	General Planning and related costs
90 00 NUCL 002	Quad-cities Nuclear Plant
90 00 NUCL 003	LaCrosse Boiling Water Reactor
90 00 NUCL 004	Duane Arnold Energy Center
90 00 NUCL 005	Ft. Calhoun Nuclear Plant
90 00 NUCL 006	Cooper Nuclear Plant

NUCLEAR POWER PLANT EMERGENCY

Annex F from the IOWA EMERGENCY PLAN includes preplanned emergency function and responsibility assignments during a nuclear power plant emergency, and they indicate the functions for which the DOT may have some support assignments.

GENERAL

The resident maintenance engineer, generally, may authorize loans of signs, barricades and other traffic-control devices and other minor equipment and supply resources, on direct request from authorized local representatives of a responsible agency.

The resident maintenance engineer shall be responsible for maintaining primary roads, especially those used as evacuation routes. He may establish emergency temporary detours for evacuation routes or for diverting through traffic, with approval of the district office. If time does not permit district office approval, detours may be established, and the district office shall be informed. The district office shall inform the State EOC of these changes, including information on load restrictions, if any.

The resident maintenance engineer may assign major equipment and personnel for activities off the primary roads only with approval from the district office. These assignments will be made only with authorization from the State EOC, the Director or his alternate; the authorization may be broad or limited, at least initially, but district office authorizations are to be within the scope of his authorizations.

Since these assignments severely limit the resident maintenance engineer's capabilities in areas for which he is directly responsible and for future assignments, the district office must be kept fully informed as to utilization and availability of his resources. Movement of resources, including personnel, from other locations will be the responsibility of the district office.

Assignments to divisions other than the Highway Division will normally be made by the State EOC, the Director or his alternate. Examples are advisories or limitations concerning air, motor vehicle, rail and river transportation and arrangements for public transit vehicles. These assignments will be made to the appropriate division. As these assignments are made, the district office should be informed and should provide necessary coordination.

FUNCTIONS FOR WHICH THE DOT HAS SUPPORT RESPONSIBILITY

Function 2 - Coordinating Release of Emergency Public Information.

The Office of the Governor has primary responsibility for the emergency information and releases to news and broadcast media. The DOT office of News and Information may prepare emergency information for the public, specifically concerning primary highways. This information must be in agreement with information being released by the Office of the Governor, and release time may have to be coordinated.

New releases would originate from the State EOC, if activated, and current road condition reports are to be sent to the State EOC as a basis for these releases, through the district office.

The Director or his alternate may assign a representative of the DOT Office of News and Information to the State EOC.

Function 3 - Environmental Monitoring. The Department of Environmental Quality may request assistance in radiological monitoring. In this case, radiological monitoring equipment stored in maintenance garages and trained personnel will be used. Dosimeters may be useful to working personnel; they should be zeroed and the initial reading recorded before being used. This equipment may be released for other agency use by request to the resident maintenance engineer.

Assignment of personnel to this work would normally be authorized by the State EOC, the Director or his alternate, through the district office.

Function 5 - Emergency Communications. The Department of Public Safety may request vehicles as mobile radio units, and communications through base stations using the DOT networks.

Mobile units and personnel may be assigned to this function by the resident maintenance engineer. Additional resources may be provided by the district office, the State EOC, the Director or his alternate, including Motor Vehicle Division mobile radio units and other departmental vehicles equipped with radio and phone patch capability. The district office should be informed of assignments in the area.

Function 12 - Disaster Area Populace Evacuation. The DOT is responsible for maintaining primary roads, including those that are evacuation routes. The resident maintenance engineer should give this assignment priority during an emergency.

The DOT may be requested to provide assistance in maintaining other roads and streets as evacuation routes. The resident maintenance engineer could be asked to provide signs and barricades for traffic control and establishing and maintaining detours; he may loan these resources for this work on request of the responsible local jurisdiction. The resident maintenance engineer may be asked to provide personnel to assist in traffic control and to clear emergency routes as necessary; he may assign heavy equipment and personnel to this work on request of the responsible local jurisdiction, when within the scope of district office authorizations.

The Aeronautics Division may be requested to provide emergency air mission assignments as provided for in the SARDA plan. This assignment will be made by the State EOC, the Director or his alternate.

The Public Transit Division may be requested to arrange for transportation vehicles from nearby areas. It may be necessary to identify nearby buses and to arrange for their use. This assignment will be made by the State EOC, the Director or his alternate.

Function 13 - Control of Evacuation Route Traffic Control Points.

The Department of Public Safety may request traffic-control assistance at traffic-control points. The resident maintenance engineer may loan traffic-control devices and assign heavy equipment and personnel to this work. Assignment of heavy equipment and personnel off primary roads shall be within the scope of district office authorizations.

Motor Vehicle Enforcement may be requested to control traffic at traffic-control points. This assignment will normally be made by the State EOC, the Director or his alternate. The district engineer should be informed.

Function 15 - Emergency Ground Transportation. The counties and cities are primarily responsible for providing emergency ground transportation. The Departments of Transportation, Public Defense and Public Safety are to furnish support assistance that may be necessary. This may include vehicles to transport emergency personnel, equipment and supplies.

Occasional short-term assignments of DOT resources may be made by the resident maintenance engineer, on request. Additional resources and major coordination efforts will be a responsibility of the district office.

Function 16 - Keeping Evacuation Routes Open. The counties and cities are responsible for maintaining streets and highways under their jurisdictions, that are used for evacuation routes. The resident maintenance engineer is responsible for maintaining primary roads, including those used as evacuation routes.

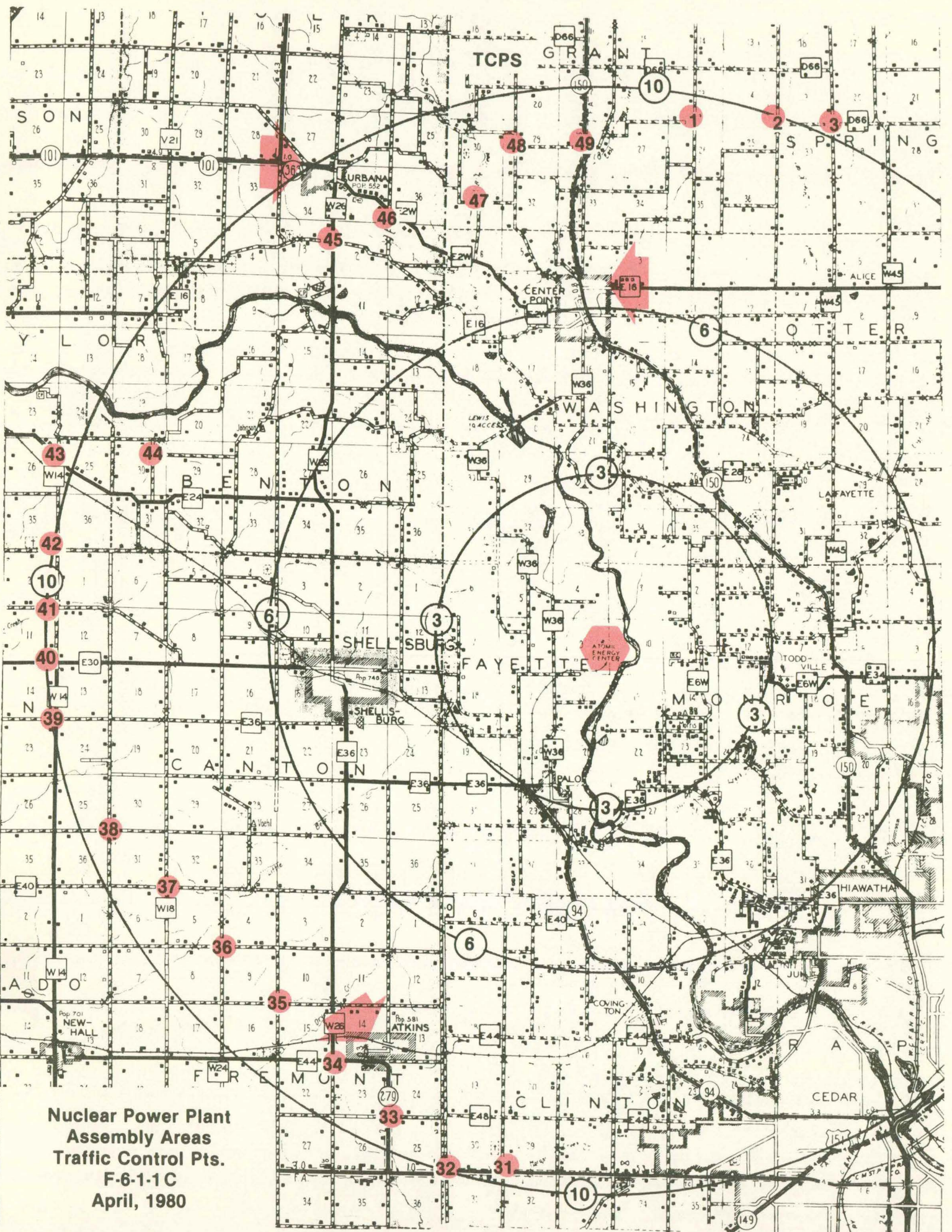
The resident maintenance engineer will furnish assistance to counties and municipalities as requested, when within the scope of district office authorizations. This may include signing and other traffic control, high priority pavement maintenance, clearing routes of disabled vehicles and debris, and establishing alternate evacuation routes and maintaining them. Additional resources that may be necessary will be the responsibility of the district office.

Function 34 - Decontamination Operations. The Department of Environmental Quality is responsible for decontamination operations. This is to be accomplished with the assistance of several State agencies. The Department of Transportation might be requested to furnish pumps and vehicles with tanks for portable water supplies, resources for debris cleanup and disposal, and personnel to assist in this function under the technical direction of DEQ. These assignments would normally be authorized by the State EOC, the Director or his alternate, through the district office.

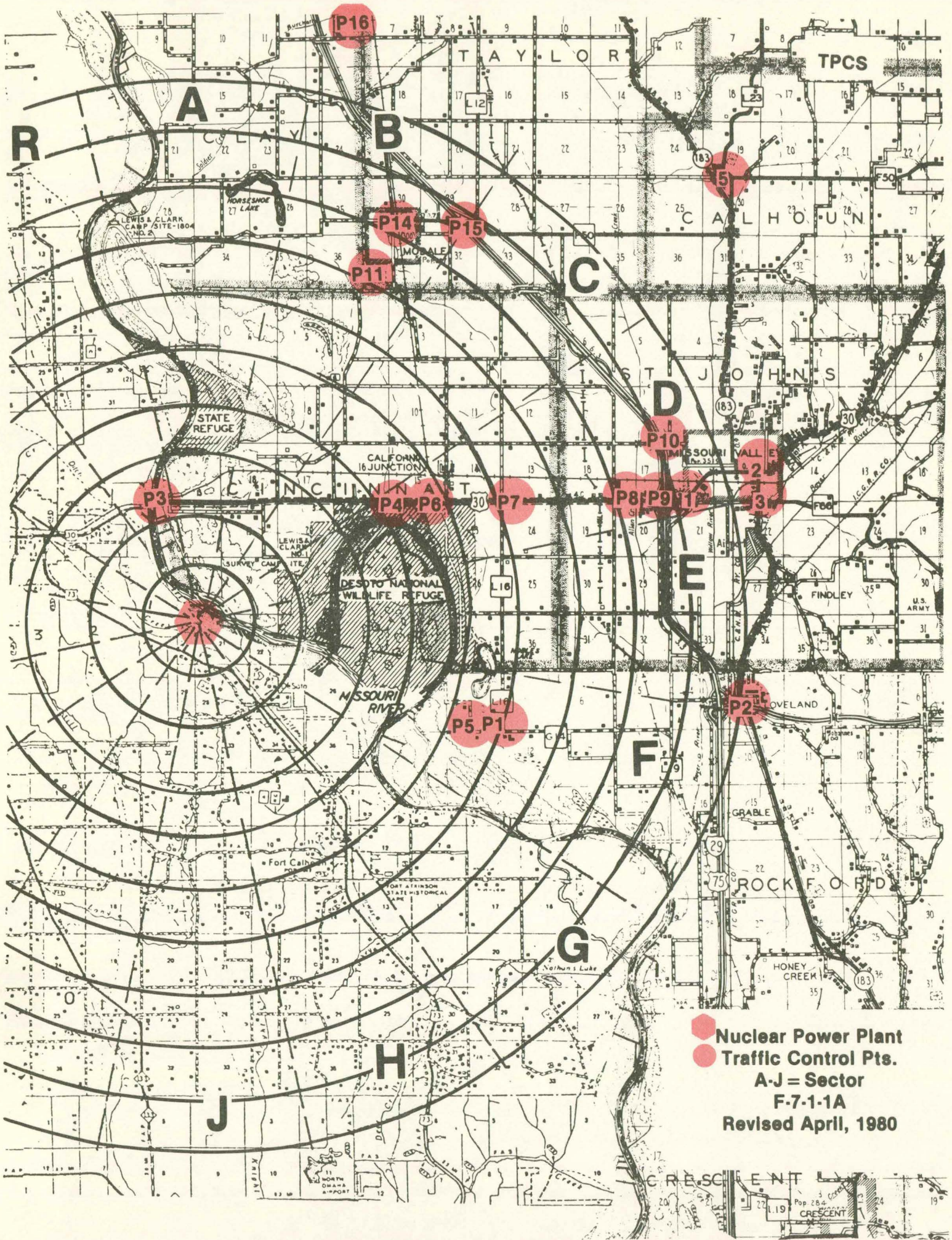
Function numbers designated in this plan are those shown in ANNEX F, APPENDIX 1.

The description of each of these functions is based on:
ANNEX A - EMERGENCY FUNCTION ASSIGNMENTS, as follows:

<u>IOWA EMERGENCY PLAN</u> <u>ANNEX A</u> <u>EMERGENCY FUNCTION</u>	<u>DOT CONTINGENCY PLAN</u>
2. Communications & Warning	Function 2 Function 5
3. Public Information	Function 2
4. Shelter	Function 12 Function 16
8. Evacuation	Function 12 Function 13 Function 16
9. Damage Assessment	Not part of this plan
11. Transportation Services	Function 12 Function 15
15. Hazardous Substances Control	Function 3 Function 34
20. Emergency Debris Removal	Function 16

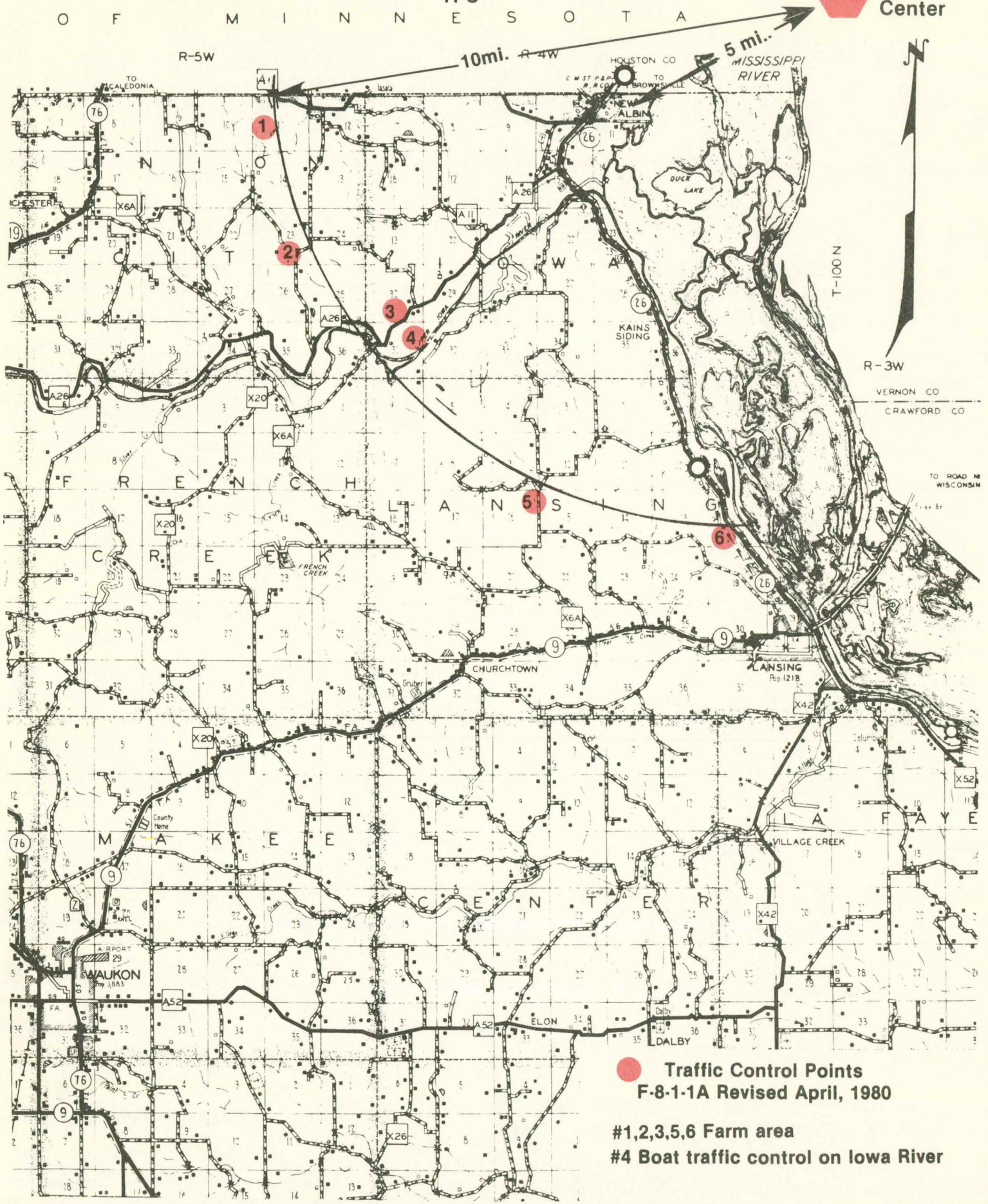
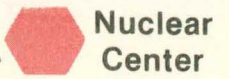


**Nuclear Power Plant
 Assembly Areas
 Traffic Control Pts.
 F-6-1-1C
 April, 1980**



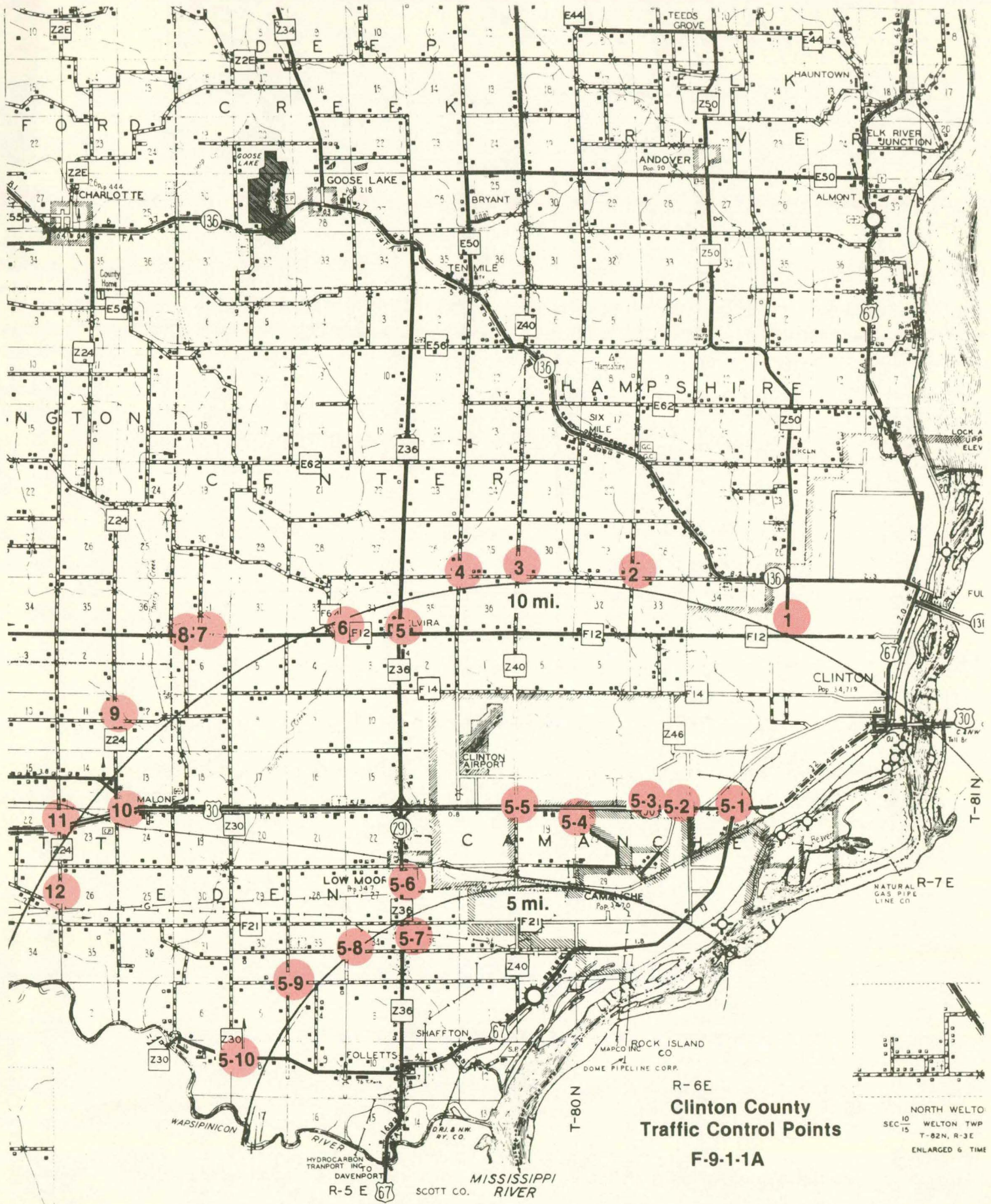
● Nuclear Power Plant
 ● Traffic Control Pts.
 A-J = Sector
 F-7-1-1A
 Revised April, 1980

CRESCENT
 Pop 284
 Crescent



● Traffic Control Points
F-8-1-1A Revised April, 1980

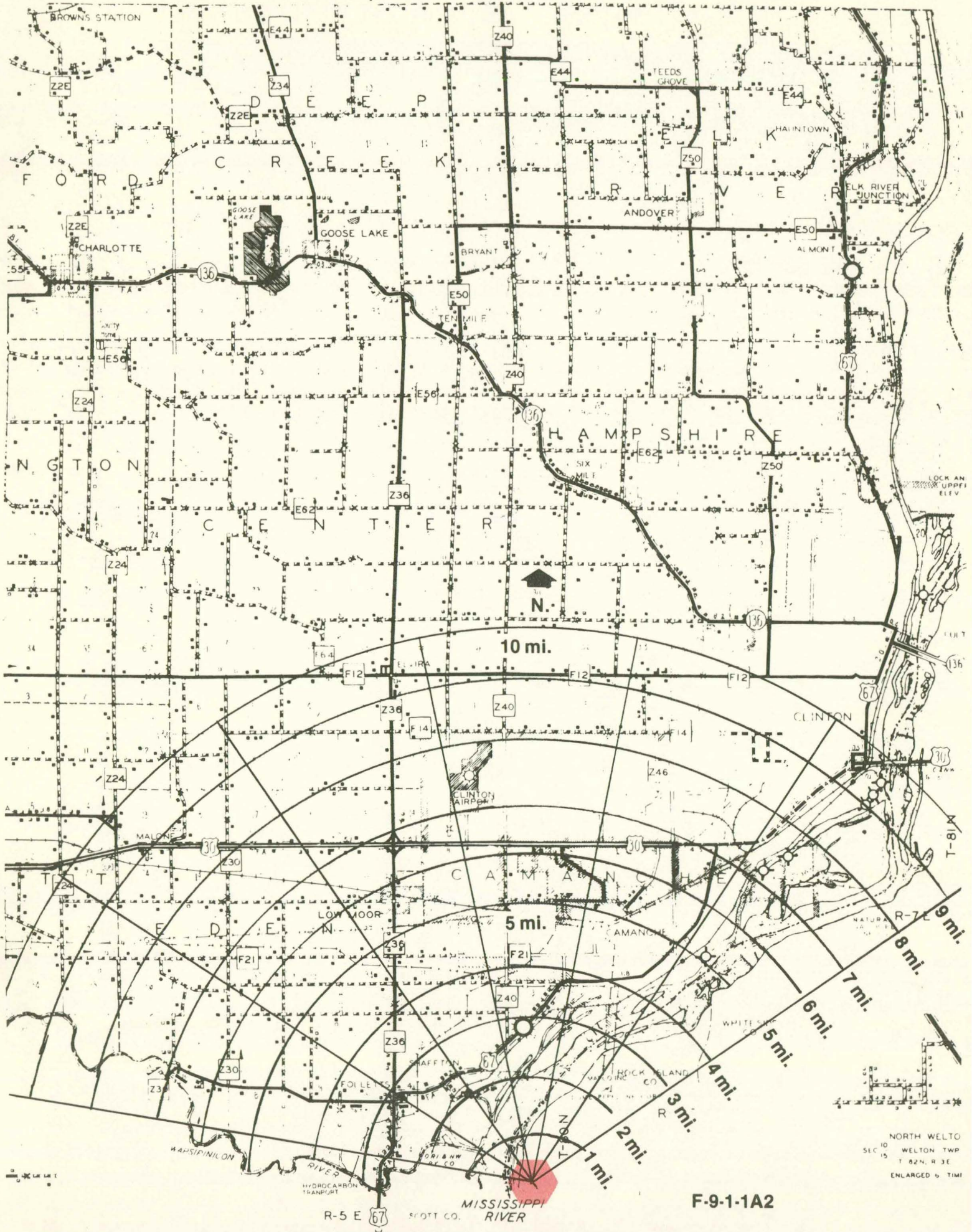
#1,2,3,5,6 Farm area
#4 Boat traffic control on Iowa River



R-6E
Clinton County
Traffic Control Points
F-9-1-1A

NORTH WELTO
 SEC 10
 15 WELTON TWP
 T-82N, R-3E
 ENLARGED 6 TIME

R-5 E MISSISSIPPI RIVER
 SCOTT CO.

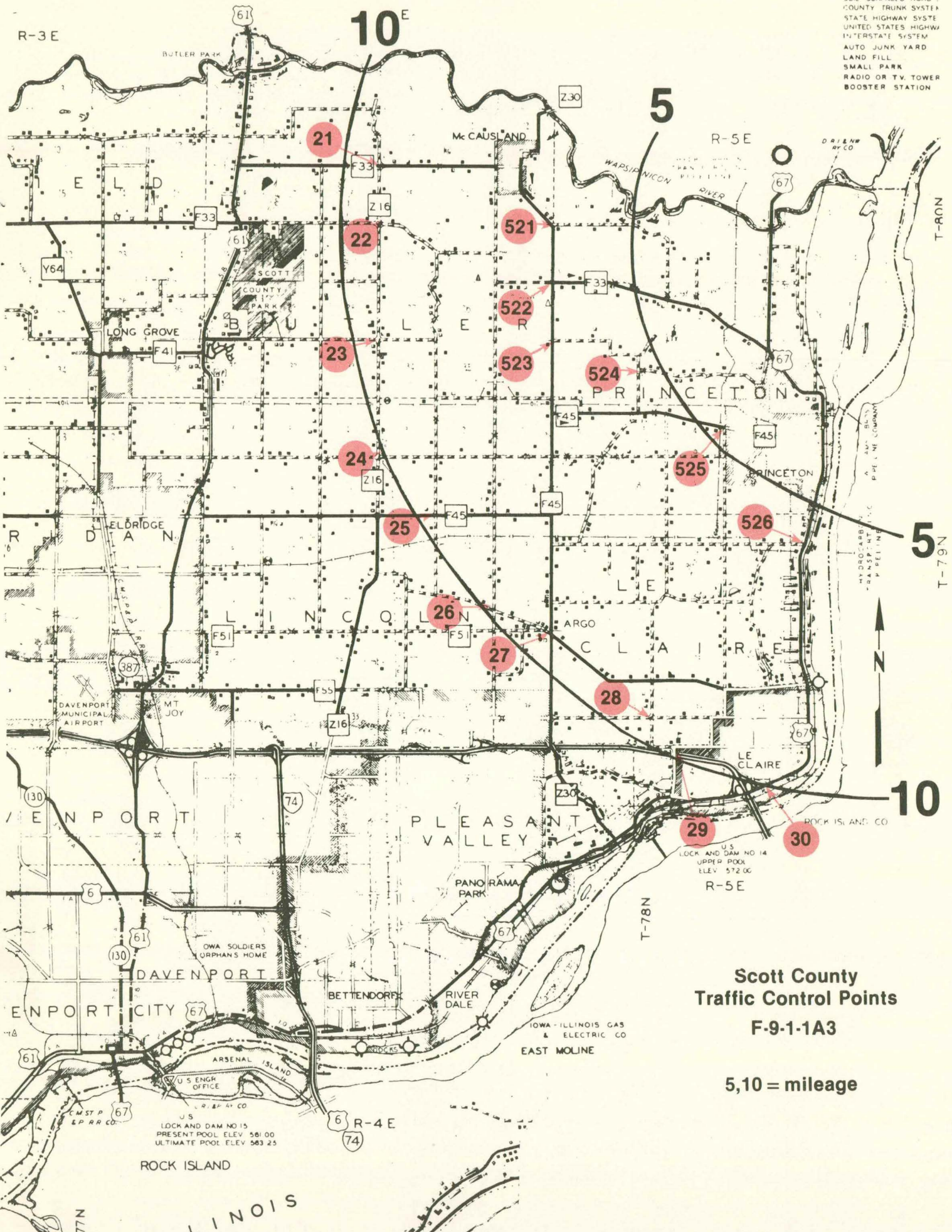


NORTH WELTO
 SEC 10 WELTON TWP
 T 82N R 3E
 ENLARGED 6 TIM

F-9-1-1A2

R-5 E MISSISSIPPI RIVER
 SCOTT CO.

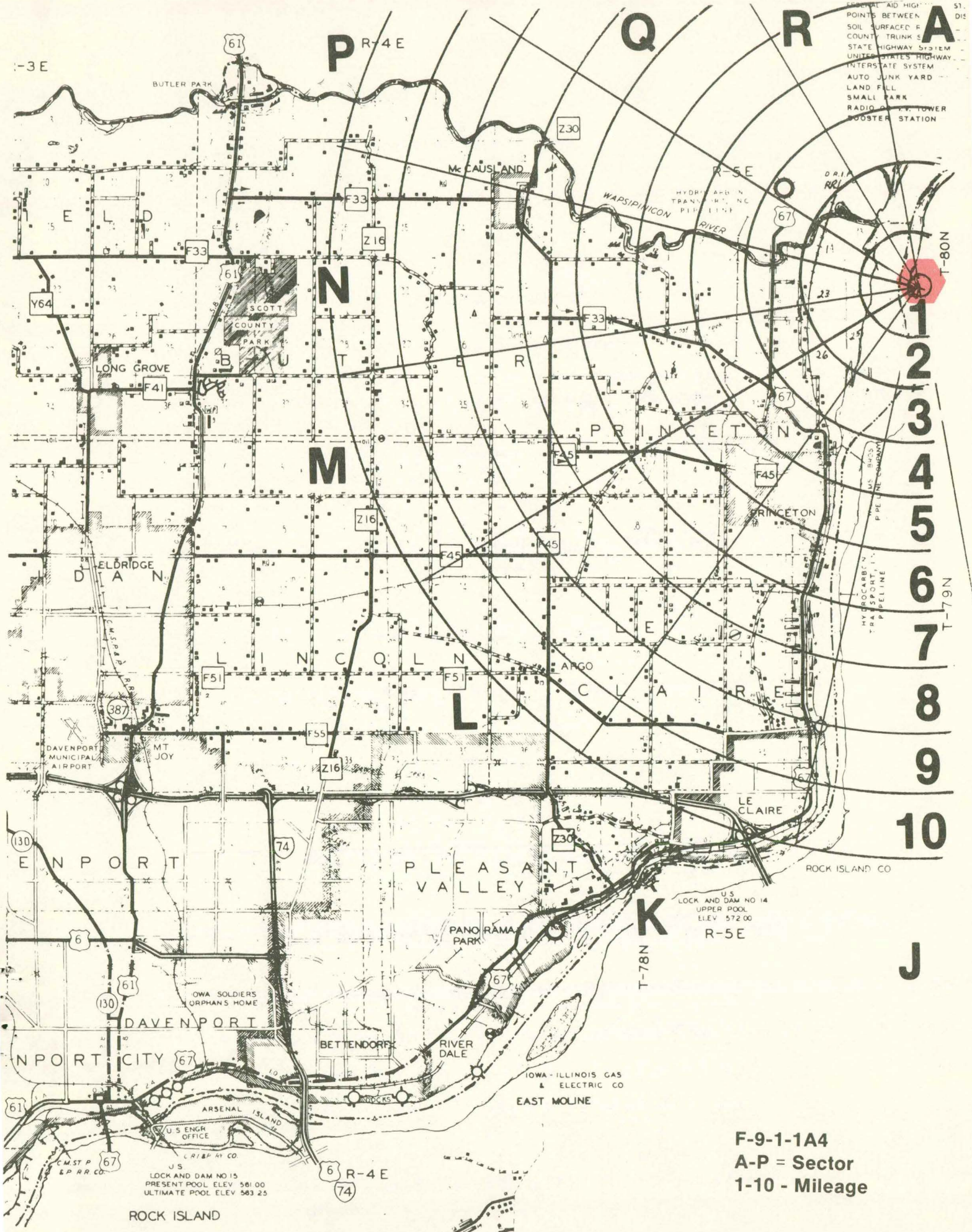
FEDERAL AID HIGHWAY
 POINTS BETWEEN WHICH
 SOIL SURFACED ROAD
 COUNTY TRUNK SYSTEM
 STATE HIGHWAY SYSTEM
 UNITED STATES HIGHWAY
 INTERSTATE SYSTEM
 AUTO JUNK YARD
 LAND FILL
 SMALL PARK
 RADIO OR TV. TOWER
 BOOSTER STATION



**Scott County
 Traffic Control Points
 F-9-1-1A3**

5,10 = mileage

FEDERAL AID HIGHWAY
 POINTS BETWEEN
 SOIL SURFACE &
 COUNTY TRUNK &
 STATE HIGHWAY SYSTEM
 INTERSTATE SYSTEM
 AUTO JUNK YARD
 LAND FILL
 SMALL PARK
 RADIO T.V. TOWER
 BOOSTER STATION



F-9-1-1A4
A-P = Sector
1-10 - Mileage

ROCK ISLAND

U.S.
 LOCK AND DAM NO 15
 PRESENT POOL ELEV 581.00
 ULTIMATE POOL ELEV 583.25

U.S.
 LOCK AND DAM NO 14
 UPPER POOL ELEV 572.00

EMERGENCY FUNCTION AND AGENCY ASSIGNMENTS

DATE:

IOWA EMERGENCY PLAN
 BASIC PLAN
 ANNEX F - HAZARDOUS SUBSTANCES OPERATIONS PLAN
 APPENDIX 1 - NOTIFICATION CHART AND PROCEDURES

FUNCTION	AGENCY	OFFICE OF THE GOVERNOR	OFFICE OF DISASTER SERVICES	DEPARTMENT OF HEALTH	DEPARTMENT OF ENVIRONMENTAL QUALITY	DEPARTMENT OF PUBLIC SAFETY	DEPARTMENT OF AGRICULTURE	DEPARTMENT OF PUBLIC DEFENSE	DEPARTMENT OF SOCIAL SERVICES	RED CROSS AND OTHER WELFARE GROUPS	CONSERVATION COMMISSION	DEPARTMENT OF TRANSPORTATION
1 Alert Notification			P									
2 Coordinating Release of Emergency Public Information		P	S	S	S	S	S	S	S		S	S
3 Environmental Monitoring			S		P		S					S
4 Meteorological Forecasting												
5 Emergency Communications			S			P						S
6 Emergency Health Advisories				P	S		S					
7 Fire Services												
8 Search and Rescue						S		S				
9 Emergency Environmental Advisories				S	P		S					
10 Evacuation Decision		P	S	S	S							
11 Warning Populace in Disaster Area												
12 Disaster Area Populace Evacuation				S	S	S		S			S	S
13 Control of Evacuation Route Traffic Control Points						P		S			S	S

P = Primary Responsibility

S = Support Responsibility

EMERGENCY FUNCTION AND AGENCY ASSIGNMENTS

DATE:

ANNEX F - HAZARDOUS SUBSTANCES OPERATIONS PLAN
APPENDIX 1 - NOTIFICATION CHART AND PROCEDURES

	FUNCTION	AGENCY	OFFICE OF THE GOVERNOR	OFFICE OF DISASTER SERVICES	DEPARTMENT OF HEALTH	DEPARTMENT OF ENVIRONMENTAL QUALITY	DEPARTMENT OF PUBLIC SAFETY	DEPARTMENT OF AGRICULTURE	DEPARTMENT OF PUBLIC DEFENSE	DEPARTMENT OF SOCIAL SERVICES	RED CROSS AND OTHER WELFARE GROUPS	CONSERVATION COMMISSION	DEPARTMENT OF TRANSPORTATION
14	Emergency Air Evacuation						S		S				
15	Emergency Ground Transportation						S		S				S
16	Keeping Evacuation Routes Open						S		S			S	S
17	Security of Evacuated Area						S		S				
18	Fire Protection, Evacuated Area												
19	Emergency Sanitation Services, Assembly Areas				S	S			S				
20	Control of Public Water Supplies, Contaminated Areas				S	P							
21	Control of Private Water Supplies, Contaminated Areas				P	S							
22	Control of All Food Supplies, Farm Animals, Crops, & Pets, Contaminated Areas				S	S		P					
23	Control of Game Animals, Birds, Fish, Contaminated Areas				S	S						P	
24	Emergency Lodging									S	S		
25	Emergency Feeding									S	S		
26	Emergency Potable Water									S	S		

P = Primary Responsibility

S = Support Responsibility

F-1-2

STATE LIBRARY OF IOWA



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