

ANNEX J: PUBLIC WORKS & UTILITIES

I. SITUATION

A. Purpose:

1. Effect the repair and maintenance of city, county and state roads, bridges and other facilities in Sheridan County
2. Clear debris and refuse from vital areas
3. Coordinate the maintenance of private and public utilities
4. Develop priorities for restoration of public works and utilities service
5. Coordinate maintenance repair, and use of water and sewage facilities
6. Coordinate the use of private equipment and manpower for Public Works support
7. Coordinate the development of emergency routes and clearing plan
8. Support the shelter organization through expedient shelter improvement and development, radiological monitoring and decontamination
9. Provide for garbage and solid waste collection/disposal

B. Assumptions:

1. Public Works and Utilities equipment and personnel will be available to cope with most anticipated disasters.
2. Without assistance, public works resources will not be sufficient to cope with a disaster.
3. Local contractors may have enough resources to back up public works recovery efforts in any foreseen disaster situation.

C. Vulnerability:

1. Communication breakdown/telephone jam
2. Limited resources in outlying areas
3. Facility damage
4. Inaccessibility to parts of the county - rural living
5. Equipment breakdown
6. Power surges/power outages
7. Water/sewage capacity limitations. Sheridan/Ranchester/Dayton have about 4 day supply of water
8. Potential contamination of water sources
9. Damage to pipeline carrying water supply
10. Limitations of availabilities of types of construction material
11. Snow/ice
12. Road and bridge washout
13. Severed gas and electricity pipelines/lines/telephone lines
14. Sewer back-up
15. Removal of power lines or poles and telephone lines or poles
16. Non-flexible (non-stretchable) utility lines
17. Transformer/substation locations
18. Sewer plants located in flood plain (Ranchester/Sheridan)

19. Micro-wave passive reflector tower for communications. Telephone communications damage could isolate Sheridan
 20. Emergency power at water plant.
- D. Resources:
1. Personnel – See Basic Plan, Appendix 4, Personnel Listing
 2. County Engineer
 3. County Road and Bridge resources
 4. Municipal Public Works Department resources
 5. Wyoming Highway Department resources
 6. State Forestry Division Public Works/Maintenance resources
 7. Water/utility company resources
 - a. Montana-Dakota Utilities
 - b. Mountain Bell
 - c. AT & T
 - d. Sheridan-Johnson County REA, other REA's

e. Sheridan City Utilities

- f. Cable TV
- g. Range Co-Op
- h. Pacific Power & Light (transmission line)
- i. Range Telephone
- 8. Private construction companies resources/equipment/manpower
- 9. Petroleum, gas, oil distributors
- 10. Equipment dealers (heavy)
- 11. USDA Soil Conservation Service
- 12. Private garbage haulers
- 13. National Guard
- 14. Army reserves
- 15. Veterans Administration Center
- 16. Ranchers
- 17. US Forest Service
- 18. Water/wastewater operators (water sampling) (Intermountain Laboratories)
- 19. Sheridan County Airport
- 20. Burlington-Northern Railroad

II. EXECUTION

- A. Concept of Operations:
 - 1. An emergency may require the use of all or part of the various public works resources, equipment and manpower in the county as well as the resources, equipment and manpower of private utilities, construction companies, heavy equipment companies, and petroleum, gas and oil distributors.
 - 2. Each Public Works Department is responsible for providing public works functions for its jurisdictional area and for assisting in providing public works functions outside its jurisdictional area as per oral agreements/mutual aid agreements/letter of understanding or as directed by the Emergency Council, as appropriate.
 - 3. Utilization of private resources, equipment and manpower for public works functions or utility functions should be coordinated through the County Engineer.
 - 4. Each public/private utility is responsible for its functioning.
- B. Task Assignment & Implementation:
 - 1. County Engineer:
 - a. Responsible for the operation, the development of operational policy and the overall management of public works and engineering activity during an emergency
 - b. Coordinates the utilization of private resources, equipment and manpower for public works functions or utility functions

- c. Develops an alerting system for public works departments/
personnel

- d. Maintains a resources inventory
 - e. Coordinates public works planning/response to special contingencies, such as evacuation, hazardous materials incidents, flood, etc.
2. County Road and Bridge Superintendent:
 - a. Responsible for the planning, direction and control of County Road & Bridge resources in their jurisdictional area
 - b. During a disaster situation (increased readiness through restoration), coordinates the use of County Road & Bridge resources with the County Engineer for a unified and coordinated effort in combating the emergency.
 - c. Maintains a listing of countywide road and bridge resources
 - d. Coordinates shelter upgrading with the Emergency Management Coordinator and County Engineer
 - e. Coordinates the Road & Bridge planning/response to special contingencies, such as evacuation, hazardous materials incidents, flood, etc.
 3. Municipal Public Works (Engineer/Director/Manager/Superintendent):
 - a. Responsible for the planning, direction and control of municipal public works resources
 - b. During a disaster situation (increased readiness through restoration), coordinates the use of public works resources with the County Engineer for a unified and coordinated effort in combating the emergency
 - c. Maintains a Public Works resources inventory for the municipality
 - d. Coordinates the municipality's public works planning/response to special contingencies, such as evacuation, hazardous materials incidents, flood, etc.
 4. Wyoming Highway Department District Maintenance Engineer
 - a. Under the direction of the Wyoming Highway Department Administration, responsible for the planning, direction and control of public works resources for his/her jurisdictional area for emergencies
 - b. During a disaster situation (increased readiness through restoration), coordinates the use of public works resources with County Engineer for a unified and coordinated effort in combating the emergency
 - c. Maintains a public works resources inventory for the Wyoming Highway Department operations in the county
 - d. Coordinates Highway Department's planning/response to special contingencies such as evacuation, hazardous materials incidents, flood, etc.
 5. Other Public Works (Federal/State/Airports/National Guard):

- a. Responsible for the planning, direction and control of public works resources for jurisdictional area for emergencies
 - b. During a disaster situation (increased readiness through restoration), coordinates the use of public works resources with the County Engineer for a unified and coordinated effort in combating the emergency
 - c. Maintains a public works resources inventory for the jurisdictional area
 - d. Coordinates the jurisdiction's public works planning/response to special contingencies, such as evacuation, hazardous materials incidents, flood, etc.
6. Public and Private Utility Managers
- a. Responsible for the planning, direction and control of the utility resources for emergencies
 - b. During a disaster situation (increased readiness through restoration), coordinates the use of utility resources with the County Engineer for a unified and coordinated effort in combating the emergency
 - c. Maintains a resources inventory for the utility
 - d. Coordinates utilities planning/response to special contingencies, such as evacuation, hazardous materials incidents, flood, etc.

III. CONTROL AND COORDINATION

- A. See next page for Organization Chart
- B. The County Engineer will coordinate the Public Works section from the Emergency Operations Center (EOC) during an emergency, major disaster, or countywide disaster.
- C. In local emergencies, control and coordination of public works section may be set up at the Communications Center or at the site of the emergency (incident command post) with public works personnel being responsible to the head of the jurisdiction involved.
- D. Line of succession for Sheridan County Public Works & Utilities Coordinator:
 - 1. County Engineer
 - 2. Assistant County Engineer
 - 3. County Road & Bridge Superintendent
 - 4. Assistant Road & Bridge Superintendent
- E. The line of succession for City of Sheridan Public Works Services is:
 - 1. Director of Public Works
 - 2. Street Foreman
- F. Communications:
 - 1. County Road & Bridge frequency
 - 2. County Mutual Aid
 - 3. City Public Works/Utilities Frequencies
 - 4. Highway Department Maintenance Net
 - 5. Mountain Bell Frequencies
 - 6. Dome Communications

7. Burlington-Northern Railroad
8. Veterans Administration Center
9. National Guard
10. ARES/RACES (Ham Radio)
11. 911