

Storm Debris Workshop Agenda

Debris Monitoring

June 21, 2006

Speaker: Beverley Frieday, Compliance Analyst, URS Corporation

9:00 – 9:10 Introductions

9:10 – 9:50 Monitoring Operations

10:00– 10:10 Break

10:10 – 11:00 What Does a Debris Monitor Do?
What Does a Debris Monitor Need to Do the Job?

11:00 – 11:10 Break

11:10 – 12:00 Customer Service
Training, References and Resources

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Planning,
Readiness
and
Recovery

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- Debris Management and Planning
- Debris Removal During Hurricane Season
- Emergency Planning – How To Prepare
- Notifying the Public
- Getting Back to “Normal”

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Planning Ahead

- ❑ Having a Plan is the most important aspect of disaster readiness
- ❑ Your Plan provides clear guidance and direction for everyone responding
- ❑ Your Plan allows for advance planning and readiness
- ❑ Your Plan will make YOU ready

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Advance Planning

- Know what the laws, regulations and ordinances are
- Know who is in charge and makes decisions
- Know what resources you will need and know how to get them

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Advance Planning (continued)

- What forms can you obtain and fill out in advance?
- What contacts and alliances can you make now that might help later?
- What types of things could happen? How will you prepare for them all?

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Debris Management Plan

- A Debris Management Plan should divide the community into sectors
- Debris Assessment Team should survey for debris damage by sector immediately after the disaster
- Debris Manager coordinates with contractors to decide on the plan of action for debris removal by sector

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Corps of Engineers Debris Model

Determine Quantity (Q) of debris in cubic yards

Q (quantity) = H (households) x C (storm category)
x V (vegetation) x B (business) x S (precipitation)

(H = Population/3)

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Pre-Disaster Waste Analysis

- Know where debris can be taken/stored after a disaster
- Know the facilities and their capacity
- Be aware of how the facilities operate
- Have a contract or Mutual Aid Agreement in place

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Debris Removal Resource Needs

- Do you know what resources you need?
- How many workers? How much will their labor costs be?
- What type of equipment do you need? Where and how will you get it? What will it cost?

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- Temporary Debris Storage and Reduction Sites (TDSR) offer:
 - Short-term storage area
 - Proximity to disaster debris removal



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Temporary Debris Storage and Reduction Sites

- Where can debris and waste be temporarily stored?
- What is the holding capacity of the TDSR sites? What are their requirements?
- Have a contract or Mutual Aid Agreement in place beforehand

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Processing Debris Removal

- How will you accomplish debris removal?
Who will lead the efforts in your community?
- What resources are necessary to manage the debris removal process?
 - Specific contracts/agreements
 - Labor
 - Funds
 - Equipment

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Where to Begin

- Where will you start debris removal?
- What are priority areas for debris removal?
- How will you handle hazardous situations or areas? What about utility lines?

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Tracking and Data Collection

- How will you keep track of debris removal? How do you know who is doing what?
- What kind of debris is being removed? What are the dangers? From what areas is debris being removed?

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Debris Removal from Public Property

- What type of clearance/permission will you need for debris removal on public property?
- Do you need a contract with city/county/state/federal government?
- Who will remove hazardous debris?
What is needed for Haz-Mat removal?

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Debris Removal from Private Property

- Immediate health hazard
- Removal must be done as quickly as possible
- Is permission required to enter private property? From whom or what agency?

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Contracts and Funding

- What contracts do you have for disaster debris removal?
- Who will pay for what? How will you get the funding you need?
- How will you get more money if you need it?

Storm Debris:

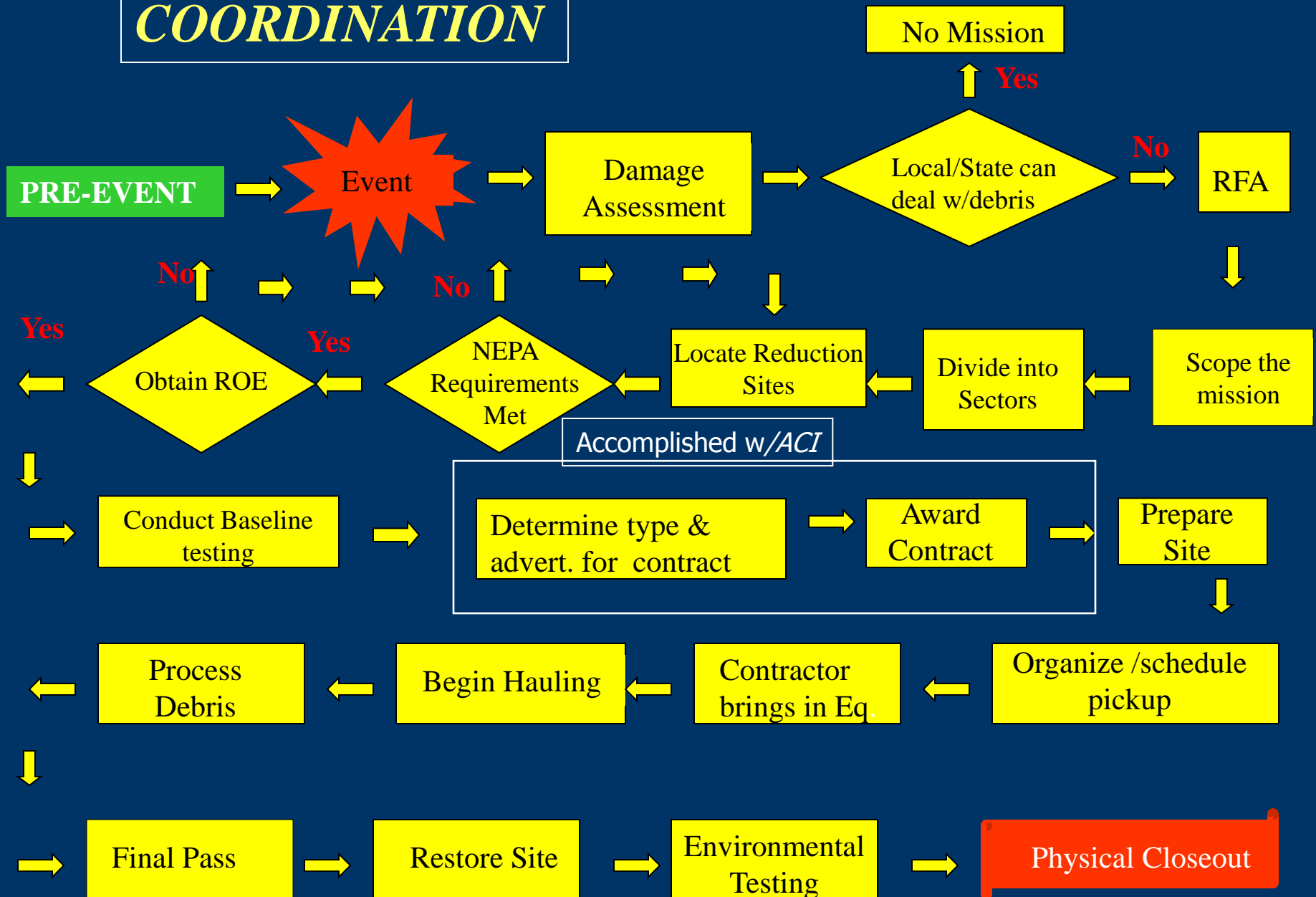
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Mutual Aid Agreements

- Can you handle the debris removal on your own? Who will help you?
- What resources can they provide? What are their limitations?
- Will they help in an emergency?

EVOLUTION OF A DEBRIS MISSION

COORDINATION



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Emergency Planning in Advance

- Is not just for debris removal
- Can be applied to all aspects of daily life, government and business
- Sets guidelines and goals for disaster readiness, response and recovery
- Is a necessity in today's world

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Public Information – Who, What and How

Who will notify the public of debris removal efforts?

- What information will you release to the public? Who can they call for information?
- How will you handle confidential/sensitive information?

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Public Information – The Media

- How will you handle media inquiries?
- Where will you put media who arrive at the scene of debris removal?
- How will you handle difficult media inquiries? To whom will you direct them?

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Public Information - Communication

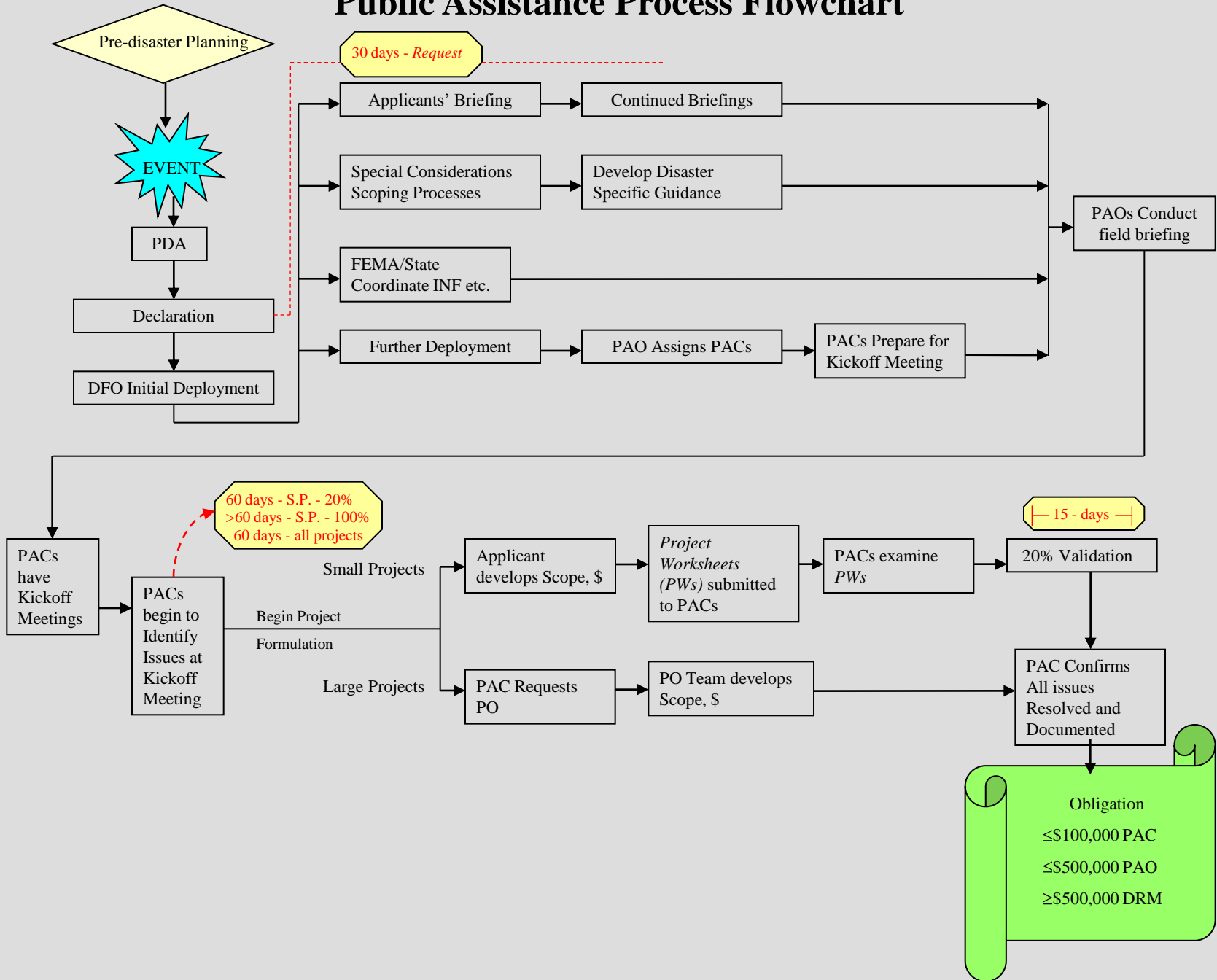
- What is the best method of communication to get your message out?
 - TV/Radio
 - Newspaper/Magazine
 - Internet/Blogs
 - Public Meetings/Face to Face Interactions

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Recovery and “Back to Normal”



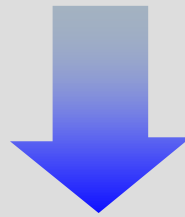
Public Assistance Process Flowchart



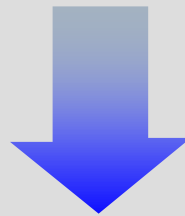
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Governing Documents

Statute (Law)



Regulations



Policy

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Statute: The Stafford Act

- Authorizes the PA Program:
 - Gives FEMA authority to provide assistance
 - Defines basic program criteria and eligibility
 - Authorizes FEMA to publish regulations

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Statute: The Stafford Act (continued)

- Provisions *cannot* be changed by FEMA
- Types of assistance:
 - Public Assistance
 - Individual Assistance
 - Hazard Mitigation (404-State Program)

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Regulations

- Rules to implement statute
- Based on interpretation of statute
- Formal publication and comment process
- Have the same effect as law
- May be changed by FEMA
- PA Program: 44 CFR, Part 206

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Other Applicable Regulations

- 44 CFR:
 - Part 9: Floodplain management
 - Part 10: Environmental compliance
 - Part 13: Grants administration
 - Parts 59-70: National Flood Insurance Program
- 36 CFR Part 800: Historic preservation

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Policies

- Issued by FEMA Headquarters
- Apply law/regulations to specific situations
- May be:
 - Subject-specific: 9580.4 Debris Operations – Clarification: Emergency Contracting VS. Emergency Work
 - Disaster-specific: 9523.14 Debris Removal from Private Property

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Policies: Sources

- Public Assistance Officer:
 - Disaster-specific policies
 - Application of policies
- Public Assistance Guide*
- Policy Digest*
- FEMA Website

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General Program Eligibility



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Facility

- Definitions:
- Any building, works, system, or equipment
- Any improved and maintained natural feature

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Work General Eligibility Criteria:

- Direct result of disaster
- Located in disaster area
- Legal responsibility of an eligible applicant

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Cost

To be eligible, costs must:

- Be reasonable and necessary
- Comply with standards for procurement
- Exclude credits

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Direct Costs:

- Labor
- Equipment
- Materials
- Contract Costs

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Administrative Allowance: Applicant

- Cost of working with FEMA, State:
 - Requesting, obtaining, administering assistance
 - Percentage of PA funds
- Indirect costs: not allowed

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Categories of Work

Types of work:

- Emergency work
 - Category A: Debris Removal
 - Category B: Emergency Protective Measures
- Permanent work

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Debris Removal must be necessary to:

- Eliminate threat to lives, safety
- Eliminate threat to improved property
- Ensure economic recovery to community

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Special Considerations

- Floodplain Management
- Insurance
- Hazard Mitigation
- Other Federal laws/regulations such as:
 - National Environmental Policy Act
 - National Historic Preservation Act

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Consequences of non-compliance:

- Loss of funding
- Delays in project approval
- Legal action
- Loss of opportunity
- Negative publicity

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Damage Description and Scope of Work
Must include:

- Project location
- Dimensions of damage
- Cause and description of damage
- Scope of work

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Cost Estimates - Work Complete

- Use actual costs
- Project cost based on:
 - Time and materials (Force Account)

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Cost Estimates - Work Complete (continued)

- Contract costs:
 - Contract Time and Materials (70 hrs)
 - Unit Price
 - Lump Sum

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Cost Estimates - Work to be Completed (continued)

- Use estimate
- Develop estimate with unit costs
- Use contract value if available

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After Action

- Maintain files 3-years after close-out
- Develop After Action Report for files
 - Lessons Learned

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Start preparing for next time!

National Oceanic and Atmospheric
Administration data base places
Texas at “Very High Risk” with 36 to
60 direct hurricane hits

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Questions?

Thank you for your time.

