

# Lesson-5

Chapter IV (pp. 36-44)

## Disaster Assessment & Damage Survey Summary Report



# Disaster Assessment

## What it is?

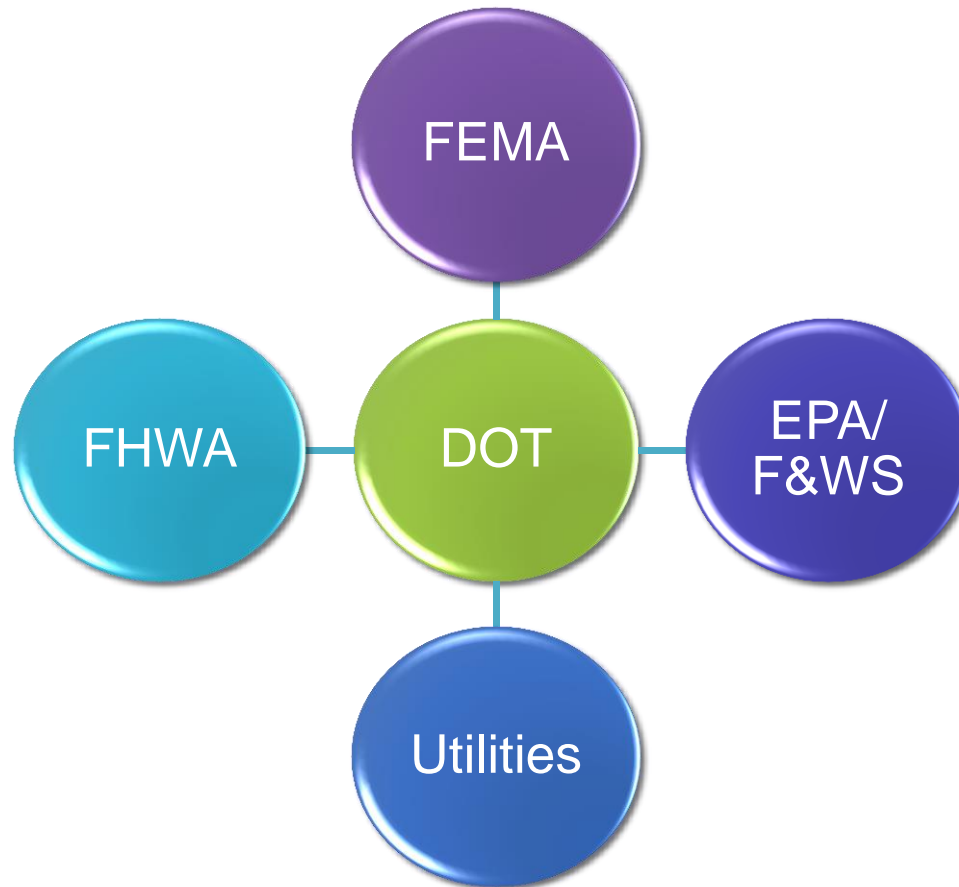
evaluation of a natural occurrence that affects transportation facilities

performed by State DOT, FHWA field staff & local authorities

verify the extent of damage

estimate the cost of repairs eligible for ER funding

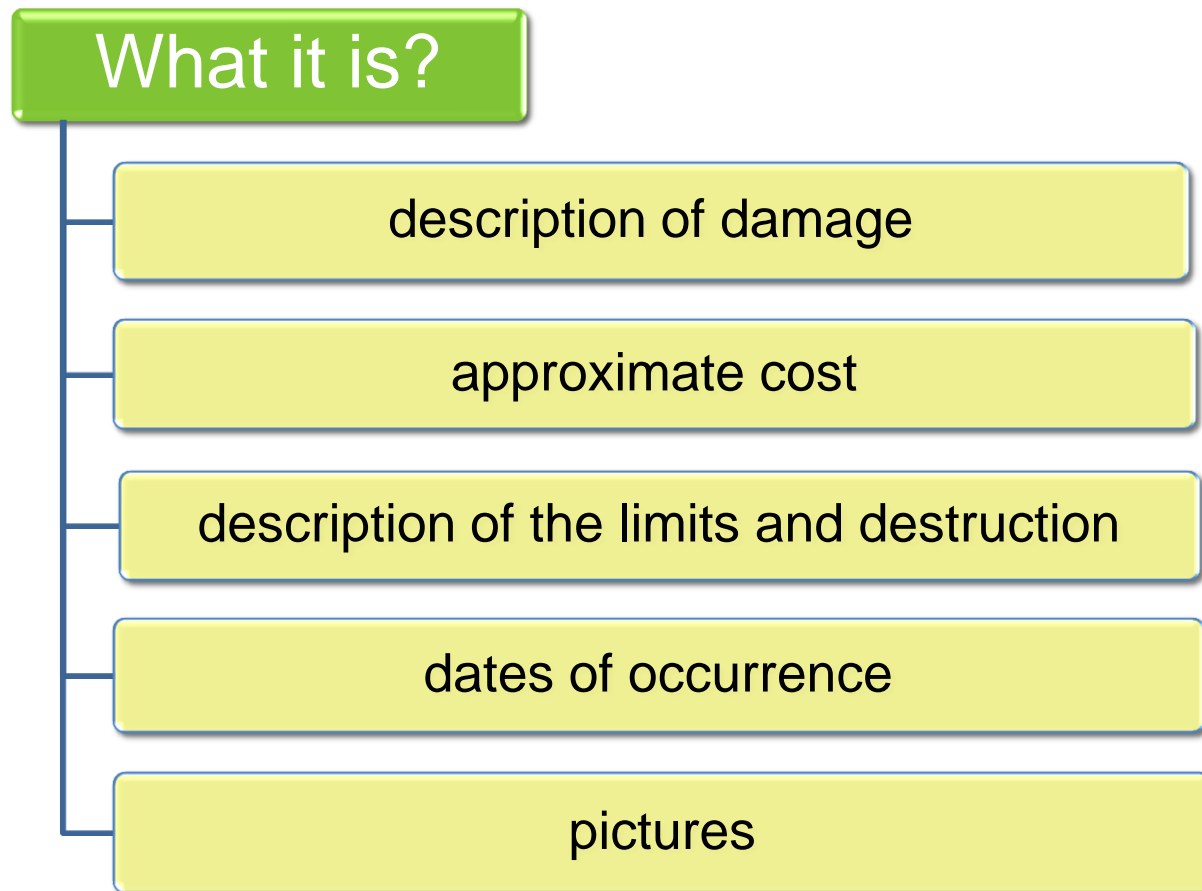
# Disaster Assessment



**Early agency coordination is critical!**

# 1. Damage Survey Summary Report (DSSR)

Prepared by State DOT for an eligibility determination by the FHWA Division Administrator.



## 2. Detailed Damage Inspection Report (DDIR)



### What it is?

brief description of the scope of work

preliminary cost estimate

determination of eligibility

support our request to HQ for  
Emergency Relief funding

one is written per site

## 2. Detailed Damage Inspection Report (DDIR)



### What it is not?

contracting mechanism

NEPA determination or approval

authorization to begin  
Permanent Restoration work

# DDIR Form FHWA-1547



## What is included?

specific location

description of damage

Emergency Repair (ER)

Permanent Restoration (PR)

cost and quantity estimates


method of work

environmental determination (NEPA)

FHWA / State Recommendations

State and/or Local Agency Concurrence

# DDIR Form FHWA-1547

 U.S. Department of Transportation Federal Highway Administration	<b>DETAILED DAMAGE INSPECTION REPORT</b>			Report Number		
	(Title 23, Federal-aid Highways)			Sheet <u>1</u> of <u>      </u>		
Location (Name of Road and Milepost) Route ( 661)			FHWA Disaster Number			
Description of Damage Lifted Asphalt Pavement Wearing course, Due to Water overflow			Inspection Date November 12, 2010			
			Federal-aid Route Number Route ( 661)			
			State                      County USVI                      St. Croix			
<b>Cost Estimate</b>						
Emergency Repair	Description of Work to Date (Equipment, Labor, and Materials)	Unit	Unit Price	Quantity	Cost	
					Completed	Remaining
	Code 3150: Pavement Removal (SY)	ea	\$12.30	278		\$3,419.40
	Code 3110 Bituminous Overlay 4" ( Ton)	ea	\$250.00	63		\$15,750.00
		ea				
		ea				
		ea				
		ea				
		ea				
		ea				
		ea				
		ea				
		ea				
		ea				
Method <input checked="" type="checkbox"/> Local Forces <input type="checkbox"/> State Forces <input type="checkbox"/> Contract				Subtotal	\$19,169.40	
				PE/CE		
				Emergency Repair Total	\$19,169.40	



# DDIR Form FHWA-1547

Permanent Restoration	ea			
	ea			
	ea			
	ea			
	ea			
	ea			
	ea			
	ea			
	ea			
	ea			
	ea			
	ea			
<b>Method</b> <input checked="" type="checkbox"/> Local Forces <input type="checkbox"/> State Forces <input type="checkbox"/> Contract				<b>Subtotal</b> PE/CE Right-of-Way Perm. Repair Totals
<b>Environmental Assessment Recommendation</b> <input checked="" type="checkbox"/> Categorical Exclusion <input type="checkbox"/> EA/EIS			<b>Estimated Total</b>	<b>\$19,169.40</b>
<b>Recommendation</b> <input type="checkbox"/> Eligible <input type="checkbox"/> Ineligible			FHWA Engineer Date	
<b>Concurrence</b> <input type="checkbox"/> Yes <input type="checkbox"/> No			State Engineer Catalina Torres Date 11/15/2010	
<b>Concurrence</b> <input type="checkbox"/> Yes <input type="checkbox"/> No			Local Agency Representative Date	

# Initial DDIRs General Requirements

## General Requirements

DDIRs  
completed/  
submitted within  
**180 days!**



DDIR Form FHWA-1547

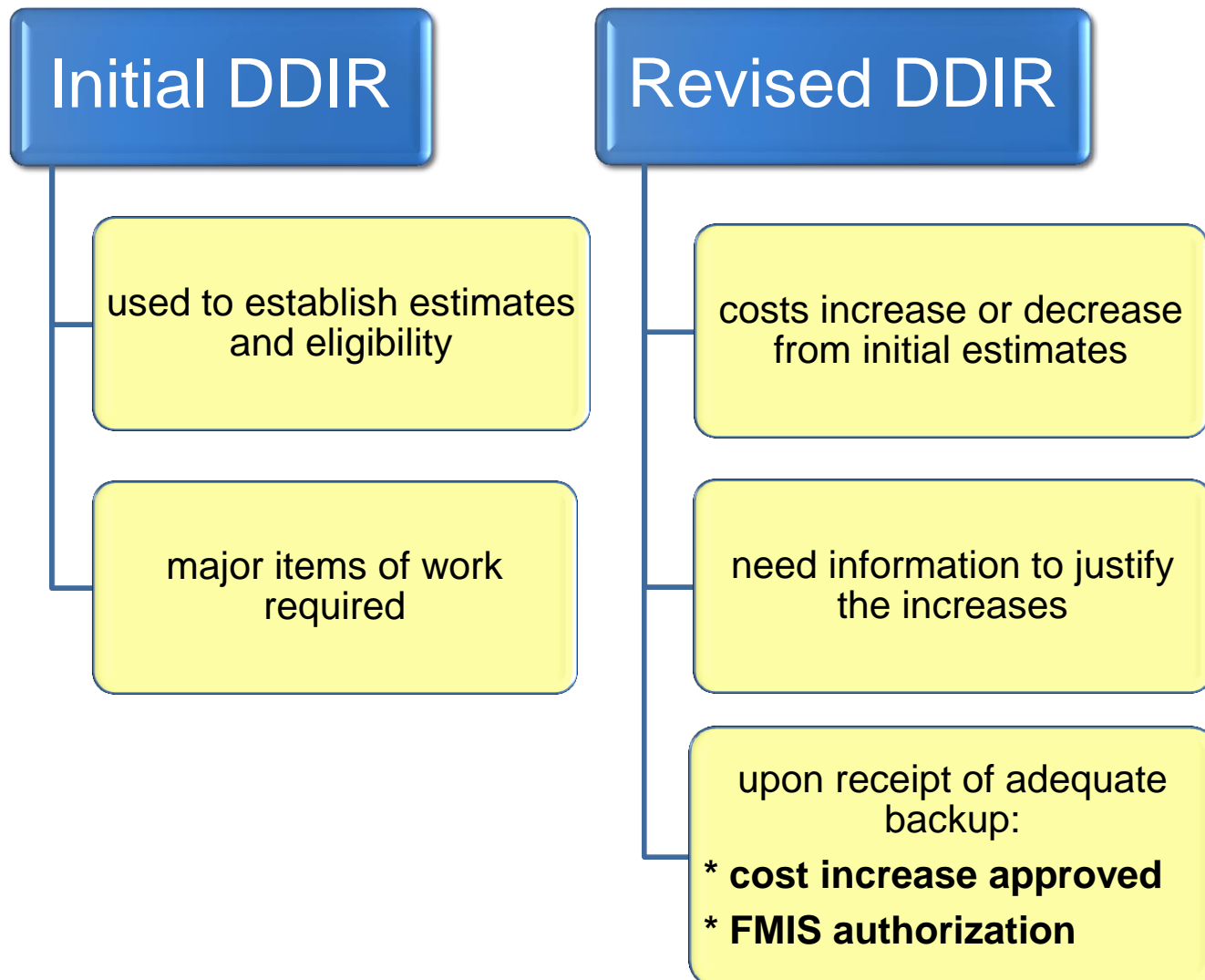
copies of contracts and amendments

cost summaries or spreadsheet  
(not lump sum)

sketch of the site and required photos

FHWA Emergency Relief  
eligible roads

# Phases of the DDIR



# DDIR Team Members



FHWA/State



State and/or Local Agency  
Representatives



Specialists:

- Geotechnical Engineer
- Hydrologist
- Biologist
- Cultural Specialist
- Structural Engineer
- Right of Way Specialist
- Environmental Specialist

# DDIR Team Equipment



Functional Classification Maps

FHWA Emergency Relief Manual

Camera

Calculator

Measuring Tape

List of Average Unit Prices

Blank DDIR forms

Safety Equipment