

FHWA Emergency Relief Program 2012 DeIDOT Winter Workshop

February 20, 2012

Patrick Kennedy, P.E.
FHWA DelMar Division



Background

- Authorized By Congress In Title 23, United States Code, Section 125
- Repair Or Reconstruction Of Federal-aid Highways And Roads On Federal Lands Damaged By:
 - Natural Disasters
 - Catastrophic Failures From External Causes

General Requirements

- Damage Must Be Widespread
- Disaster Declaration
 - Can Be From The Governor
 - Can Be A Declared State of Emergency
 - Must Be From President For FEMA
- Event Threshold = \$700,000 Minimum
- Site Threshold = \$5,000 Minimum
- Per-state Event Cap = \$100 Million

General Requirements

- Federal-aid Highway
 - No Local Roads Or Rural Minor Collectors
 - Have Functional Classification Maps On Hand
- Within Highway ROW

KENT COUNTY FUNCTIONAL CLASSIFICATION MAP

2005



PREPARED BY
DELDOT
PLANNING
Statistics, Research, and Special Programs Section

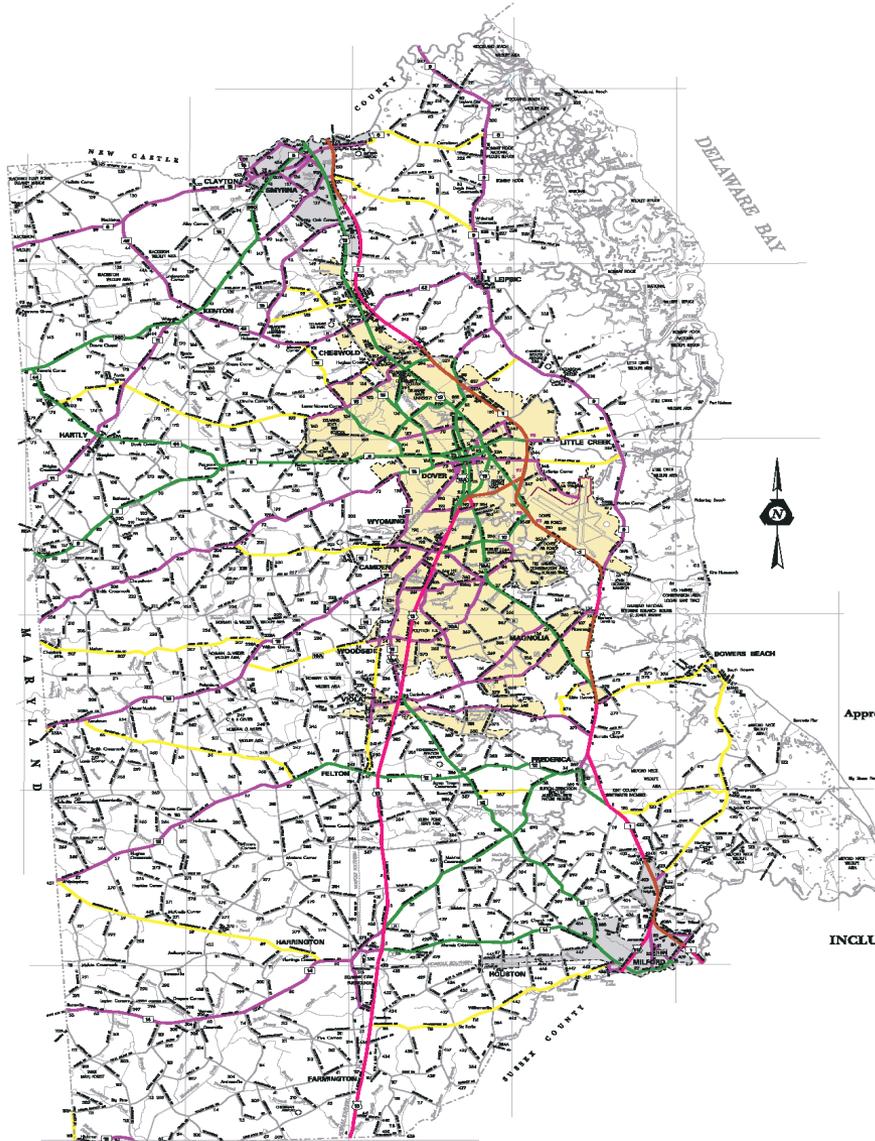
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

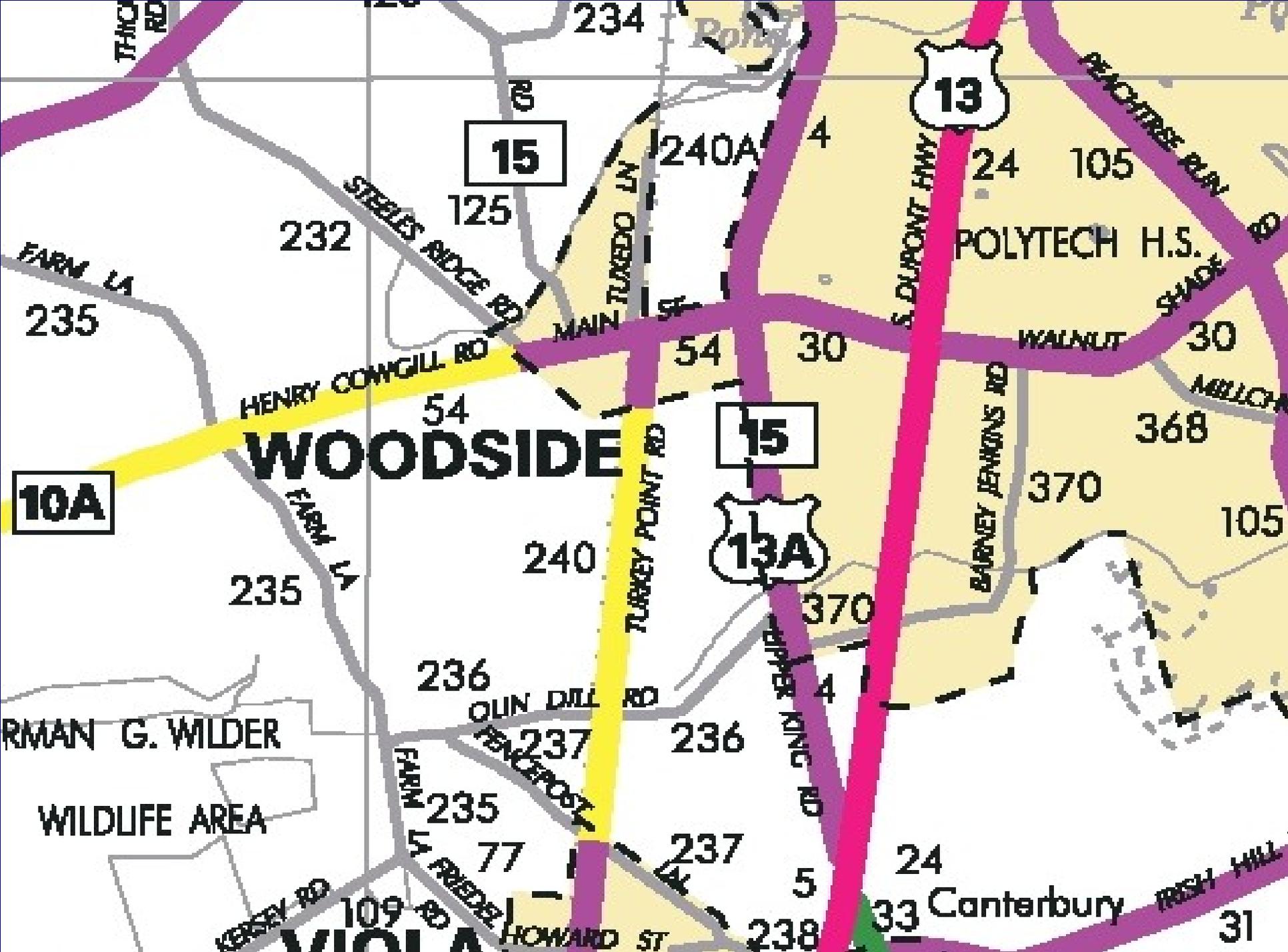
LEGEND

- Urbanized Area Boundary
- Small Urban Area Boundary
- Interstate
- Other Freeway/Expressways (Urban Areas only)
- Other Principal Arterials
- Minor Arterials
- Major Collector (all Collectors in Urban)
- Minor Collector (Rural areas only)
- Locals

Approved: Federal Highway Administration DECEMBER 28, 2005

INCLUDING: DOVER URBANIZED AREA
SMYRNA SMALL URBAN AREA
MILFORD SMALL URBAN AREA





Process

- Restore Essential Service
- Governor's or Presidential Proclamation
- Letter of Intent
- Acknowledgement Letter
- Damage assessments
- FHWA's Finding
- Request Funds from FHWA HQ – Could Take Months

Two Categories of Repair

1. **Emergency Repairs**
 - Completed Within 180 Days
 - Restore Essential Traffic, Minimize The Extent Of Damage, Or Protect The Remaining Facilities
 - Eligible At 100% Federal Share
 - Does Not Require FHWA Prior Approval
2. **Permanent Repairs**
 - Whenever Completed (Even Within 180 Days)
 - Restore Highway To Pre-disaster Conditions
 - Eligible At Normal Federal Pro Rata Share – Normally 80%
 - Must Have FHWA Prior Approval

Eligibility

- Site Specific
- Damage To Detours On Non-federal Aid Routes
- Administrative Expenses And Payroll Additives – Regular and Overtime
- Supplies, Materials and Equipment
 - Original Cost not Replacement Cost

9/26/11

STORM -

*Crews checked pond levels and removed gates at Burton's Pond, Fleetwood Pond, Collins Pond, Williams Pond, Millsboro Pond, and Red Mill Pond

*Crews cut and removed trees on Rds Rt 24, Rt 1, Rt 5, Rd 277, Rd 290, Rt 18, Rd 321, Rd 297, Rd 279A, Rd, 287, Rd 292, Rd 318, Rd 88, Rd 319, Rd 302A, Rd 47, Rd 301, Rd 303, Rd 299, Rd 324, Rd 312, Rt 30, Rd 89, Rd 249A, Rt 9, Rd 245, Rd 231, Rd 246, Rd 244, Rd 243, Rd 565, Rd 242, Rd 368, Rd 248, Rd 595A, Rd 43, Rd 620, Rt 113, Rd 625, Rd 621, Rd 207, Rd 626, Rt 36, Rd 44, Rd 594, Rd 628, Rd 629, Rd 613, Rd 634, Rd 618, Rd 319,

*Crews cleaned pipe ends on Rt 1 & Rd 215,

*Crews placed Road Closed signs, barricades, and sandbags on Rt 1 (IRIB), Rd 38 (Primehook), Rd 493

*Crews swept and removed sand & debris from Rt 1 and Rt 24

| | | |
|-----------------|------------------------------------|------------------------------------|
| WO: 447644 | Sched Start: 8/25/2011 7:11:00 AM | Sched Finish: 8/31/2011 7:10:00 AM |
| Site: DELDOT1 | Target Start: | Target Finish: |
| Status: INPRG | Actual Start: 8/25/2011 3:23:00 PM | Actual Finish: |
| Parent: | Report Date: 8/25/2011 6:43:00 AM | Reported By: 026483 |
| Work Type: EM | Priority: | GL Account: 55-0470-79-00 |
| Vendor: | Contract: | |
| Classification: | Failure Class: | Problem Code: |
| Lead: 033149 | Supervisor: 026483 | Person Group: |
| Owner: | Owner Group: | |
| Service: | Service Group: | |

| | | | | |
|-----------|--------------|----------------------------|------------------|---------------|
| Job Plan: | Asset: SDIST | South Maintenance District | Location: SUSSEX | Sussex County |
|-----------|--------------|----------------------------|------------------|---------------|

| Planned Labor | | | | | | | | | |
|---------------|-------|-------------|--------|--------|----------|-----|-------|---------|-----------|
| Task ID | Craft | Skill Level | Labor | Vendor | Contract | Qty | Hours | Rate | Line Cost |
| | | | 026483 | | | 1 | 07:30 | \$30.15 | \$226.13 |
| | | | 074388 | | | 1 | 07:30 | \$30.15 | \$226.13 |
| | | | 031432 | | | 1 | 07:30 | \$30.15 | \$226.13 |
| | | | 029822 | | | 1 | 07:30 | \$30.15 | \$226.13 |
| | | | 052682 | | | 1 | 07:30 | \$30.15 | \$226.13 |
| | | | 031325 | | | 1 | 07:30 | \$30.15 | \$226.13 |
| | | | 081659 | | | 1 | 07:30 | \$30.15 | \$226.13 |
| | | | 015408 | | | 1 | 07:30 | \$30.15 | \$226.13 |
| | | | 112187 | | | 1 | 07:30 | \$30.15 | \$226.13 |
| | | | 030155 | | | 1 | 07:30 | \$30.15 | \$226.13 |
| | | | 033354 | | | 1 | 07:30 | \$30.15 | \$226.13 |
| | | | 045675 | | | 1 | 07:30 | \$30.15 | \$226.13 |

Eligibility

- Traffic Control Devices
- Roadside Hardware
- Traffic Management Strategies After The Event
- Betterments
 - Benefit/Cost
 - Meet Current Standards

Eligibility

- Features Resulting From The NEPA Process
- Roadway Surface Damage Must Be Caused During The Flooding And Not By Traffic After The Event
- Damage On Active Federal-Aid Construction Projects

Timber And Debris Removal

- Debris Removal Is Considered An Emergency Repair Only To The Extent That It Is Needed To Minimize Damage, Protect Facilities Or Restore Essential Traffic
- Minor Debris Removal Is Ineligible
- Must Document Locations

Timber and Debris Removal

- Travel Way, Cut And Fill Slopes Required To Assure Full Functioning Of The Pavement, Drainage Ditches And Structures, Including The Clear Zone For Safety
- Clearing Of The Remainder Of The Right Of Way Is The Responsibility Of The Agency Having Jurisdiction

Timber and Debris Removal

- Cost Of Stockpiling And Disposing Of Debris At Adjacent Sites
- Hauling Costs To Sawmills Or To Other Locations Beyond The General Proximity Of The Damaged Highway Are Not Eligible



Ineligible Items/Activities

- Permanent Repair Or Replacement Of Deficient Bridges Scheduled For Replacement With Other Funds
- A Project Is Considered Scheduled If The Construction Is Included In The FHWA Approved Statewide Transportation Improvement Program

Ineligible Items/Activities

- Snow And Ice Removal
- Heavy Maintenance
 - Work That Is Typically Performed By The Highway Agency
- Replacement Of Stockpiles That Have Not Been Incorporated Into The Highway
- Mitigation Work Prior To Event

Ineligible Activities

- Overlay Of Roadways That Have Been Submerged But Suffered No Significant Damage
- Loss Of Toll Revenues

Funds Available

- Annual Authorization Of \$100 Million
- Traditionally Not Enough
- *FHWA ER Funds Are Distributed To The State*
- Cost Must Be Incurred Before Reimbursement

Funding During Shortages

- At Discretion Of The Administrator
- States Can Use Other Funds In The Interim
- ER Funds Will Reimburse Other Funds Used



Recommendations

- Document, Document, Document
 - Need To Know Who, What, When, Where
- Take Photos
- Reference Points So Others Can Find Location
- Draw Diagram Of Damage
- Bring Copy Of Functional Classification Map

References

- Title 23 United States Code Sections 125 And 120(e)
- Title 23 Code Of Federal Regulations Section 668
- Online ER Manual:
<http://www.fhwa.dot.gov/reports/erm/index.cfm>

Questions?



Contact Information

- Patrick.Kennedy@DOT.GOV
- 302-734-5326